



***LOZIER ENVIRONMENTAL CONSULTING, INC.***  
***ASBESTOS SERVICES***

**PRE-DEMOLITION ASBESTOS SURVEY**

**BUILDING 4  
1170 GENESEE STREET  
ROCHESTER, NEW YORK**

**PREPARED FOR:**

**CITY OF ROCHESTER  
30 CHURCH STREET  
ROOM 028-B  
ROCHESTER, NEW YORK 14614**

**August 4, 2008**

**CITY OF ROCHESTER  
BUILDING 4  
1170 GENESEE STREET  
ROCHESTER, NEW YORK**

**PRE-DEMOLITION ASBESTOS SURVEY**

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**CITY OF ROCHESTER  
BUILDING 4  
1170 GENESEE STREET  
ROCHESTER, NEW YORK**

**INTRODUCTION**

**ASBESTOS SURVEY REPORT**

Lozier Environmental Consulting, Inc. was retained by the City of Rochester, to conduct a pre-demolition asbestos survey on July 23 thru July 28, 2008 at Building 4 - 1170 Genesee Street, Rochester, New York. This report refers to the interior and exterior of a vacant, two-story apartment building with an attic and basement. The exterior sampling does not include the roof or roof flashing.

New York State Department of Labor certified inspectors Ron Arthurs and Angela Cartella conducted the inspection with procedures and guidelines commonly used and accepted in New York State. The objective of this inspection was to evaluate, correlate, and quantify all asbestos containing materials for future demolition purposes.

The initial walkthrough was conducted by the inspectors who observed and recorded those suspect materials used in the construction of the building such as floor, wall, and ceiling materials, surfacing materials, thermal systems insulation, roofing, caulks, and miscellaneous materials.

The inspector selected materials for inclusion in this report through their expertise and through an understanding of the historical uses of asbestos. Samples were collected from locations and recorded on a chain of custody document, recorded on a drawing, and individually retained within a container and transported to the Lozier analytical laboratory for analysis.

The Survey Report is divided at follows:

1. Introduction: Summation of sampling protocol and analysis methods.
2. Limitations: Summation of sampling conditions and restrictions at the time of inspection.
3. Conclusions: The conclusion section is broken down into the following items:
  - a. Materials Sampled: An inclusive list of all suspect materials sampled throughout the building and classified by use.
  - b. Asbestos Containing Materials by Location: In this space by space breakdown, all asbestos materials are described by their location, description and square or linear footage as found in each designated space.
4. Drawings: Interior and exterior drawings designate the approximate sampling location of materials analyzed.
5. Laboratory Analytical Reports: Sample data and analysis results by PLM and TEM methods.
6. Certifications of Laboratory and Personnel.

Lozier Environmental Consulting, Inc. is accredited through New York State Department of Health ELAP (Lab ID# 11770) for Solid and Hazardous Waste and Air and Emissions for Bulk Asbestos Fiber Analysis by polarized light microscopy (PLM). The analysis methodology used for asbestos bulk samples is as follows: New York State Department of Health ELAP Method 198.1 and 198.6; *Polarized Light Microscopy Methods for Identifying and Quantitating Asbestos in Bulk Samples* and EPA 600/M4/82/020. Asbestos containing materials are defined as those materials containing greater than 1.0% asbestos.

Non-friable organically bound materials, which were determined negative by PLM, and contained greater than 1% residue after gravimetric reduction, were analyzed by transmission electron microscopy (TEM) by ELAP Method 198.4 at AmeriSci Laboratories, which is a New York State ELAP-Certified Laboratory (ELAP Lab ID# 11480).

Samples are stored at the laboratory for 60 days then disposed of in accordance with state and federal regulations.

## **REGULATORY REVIEW**

Asbestos is regulated at the federal level by the Environmental Protection Agency (EPA) and the Occupational Safety and Health Administration (OSHA), and at the state level by the New York State Department of Labor (NYSDOL) and the Department of Environmental Conservation (DEC).

Regulations are differentiated by the distinctions between friable and non-friable asbestos containing materials. Friable material is defined as a “material, when dry, may be crumbled, pulverized, or reduced to powder by hand pressure.” Friable ACM is generally more of a concern as it is more likely to release asbestos fibers when damaged or disturbed. Materials such as floor tiles, roofing, and mastics are considered non-friable and typically present a very limited potential for fiber release. Both friable and non-friable ACM materials are subject to government regulations when and if fibers are released if significantly disturbed.

## **OSHA Regulations**

OSHA regulations 29CFR 1910.1001 and 29CFR 1926.1101 provide for protection of workers exposed to asbestos. These regulations define a maximum permissible exposure limit (PEL) and an excursion limit for worker exposure to airborne asbestos fiber concentrations. These regulations assign specific responsibilities to building owners relative to asbestos, including the identification of asbestos containing materials, notification of employees and contractors, and training. The OSHA hazard communication regulations 29CFR 1910.1200, are designed to provide assurance that hazards of substances are evaluated and that information concerning their hazards is transmitted to employers and employees by means of comprehensive hazard communication programs.

## **EPA Regulations**

EPA regulations are written for the general protection of non-occupational exposure and for the environment. EPA regulation 40CFR Part 763 – the Asbestos Hazard Emergency Response Act (AHERA), requires local education agencies to identify ACM in school buildings and to take appropriate actions to control release of asbestos fibers. Although AHERA does not apply to facilities such as residential or commercial structures, the standards and procedures established by this legislation are generally considered to be the accepted standard of care for the industry.

EPA also enforces the National Emission Standards for Hazardous Air Pollutants (NESHAP) regulation 40CFR 61 Subpart M, which requires that a pre-demolition asbestos survey be conducted prior to demolition/renovation of a building. NESHAP requires most types of ACM to be removed from the building prior to these activities and specifies specific removal and disposal methods.

EPA regulation 40CFR Part 302, derived under the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA), requires that the National Response Center be notified when there is a release in the environment of one pound or more of friable asbestos.

## **New York State Regulations**

New York State Department of Labor (DOL) enforces the regulation 12NYCRR Part 56 (Code Rule 56) which is applicable to asbestos-related work in the State of New York. Code Rule 56 is concerned with training, licensure, notification and record keeping requirements, and describes work procedures and engineering controls to be used on asbestos remediation projects. Persons performing asbestos-related work, including operations and maintenance, must complete an approved safety course and hold state certification. Code Rule 56 also requires that an asbestos survey be conducted to identify ACM within a building prior to building demolition activities.

In accordance with New York State, Industrial Code Rule 56-1.9 (d); "Information derived from the building survey **shall be immediately transmitted by the building owner or his/her agent** to the commissioner through the Department's Division of Safety and Health, Asbestos Control Bureau, and to the local government entity charged with issuing a permit for such demolition under applicable State or local laws or, if no such permit is required to the town or city clerk where the building is located." The local New York State DOL office is located at:

State of New York  
Department of Labor  
Division of Safety and Health  
Asbestos Control Bureau  
65 Court Street  
Buffalo, New York 14202

## **Asbestos Waste**

Transportation and disposal of asbestos waste materials are regulated by NESHAP, the Department of Transportation (DOT) and the New York State DEC.

**CITY OF ROCHESTER  
BUILDING 4  
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**LIMITATIONS**

The information provided in this report was compiled from field and laboratory data generated by Lozier Environmental Consulting, Inc., and was prepared for reference to the interior and exterior of Building 4 - 1170 Genesee Street, Rochester, New York. An inspection and/or sampling of the roof and its associated building materials was not conducted.

Observations noted and recorded are intended to represent the conditions that existed at the subject site at the time and date that the observations were made.

Determinations and quantifications of suspect asbestos containing materials within the building were subject to the accessibility of areas. Lozier Environmental Consulting, Inc. accepts no responsibility for the content of building materials within areas or spaces that were unknown to us or not reasonably accessible.

Conclusions and recommendations provided in this report are based on the assumptions that materials identified are homogeneous throughout their application.

Lozier assumes no liability for any other buildings that were not identified by the Client that may fall under state or federal regulations.

**CITY OF ROCHESTER  
BUILDING 4  
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**CONCLUSIONS**

The following is a breakdown of all materials sampled and analytical data by Polarized Light Microscopy (PLM) and Transmission Electron Microscopy (TEM) methods. A unit of layered materials is treated as asbestos containing material (ACM) if one or more layers contain asbestos greater than 1%.

**MATERIALS SAMPLED - REFER TO SAMPLE LOCATION DRAWINGS**

<b><u>MATERIAL (SAMPLE NO.)</u></b>	<b><u>FRIABLE/NON-FRIABLE/NOB</u></b>	<b><u>ASBESTOS BY PLM</u></b>	<b><u>ASBESTOS BY TEM</u></b>
<b><u>Flooring</u></b>			
Beige/Orange 12"X12" Floor Tile (17)	NOB	Chrysotile 12.9%	
Brown Pebble Sheet Vinyl (In Kitchen Cabinet) (22)	NOB	None Detected	None Detected
Beige/Brown Streaked 12"X12" Floor Tile (23)	NOB	Chrysotile 17.4%	
Beige Mottled 12"X12" Floor Tile (26)	NOB	None Detected	None Detected
Beige Mottled 12"x12" Floor Tile (27)	NOB	None Detected	None Detected
Multi-Colored Speckled 12"X12" Floor Tile (31)	NOB	None Detected	None Detected
Multi-Colored Speckled 12"X12" Floor Tile (32)	NOB	None Detected	None Detected
Brown Floral Sheet Vinyl-1 <sup>st</sup> Layer (33A)	NOB	None Detected	None Detected
Grey Battleship Flooring-2 <sup>nd</sup> Layer (33B)	NOB	None Detected	None Detected
Beige Speckled 12"X12" Floor Tile (34)	NOB	None Detected	None Detected
Tan Sheet Vinyl-1 <sup>st</sup> Layer (35A)	NOB	None Detected	None Detected
Blue/Green Flooring-2 <sup>nd</sup> Layer (35B)	NOB	None Detected	None Detected
Green Pebble 12"X12" Floor Tile (39)	NOB	None Detected	None Detected
Yellow Pebble 12"X12" Floor Tile-1 <sup>st</sup> Layer (41A)	NOB	None Detected	None Detected
Tan Floor Tile Mastic-2 <sup>nd</sup> Layer (41B)	NOB	None Detected	None Detected
Brown/Blue/White Pebble 12"X12" Floor Tile-1 <sup>st</sup> Layer (43A)	NOB	None Detected	None Detected
Tan Floor Tile Mastic-2 <sup>nd</sup> Layer (43B)	NOB	None Detected	None Detected
Beige/Orange 12"X12" Floor Tile (44)	NOB	Chrysotile 16.7%	
Brown Floral Sheet Vinyl-1 <sup>st</sup> Layer (45A)	NOB	None Detected	Chrysotile 1.5%
Tan Sheet Vinyl Mastic-2 <sup>nd</sup> Layer (45B)	NOB	None Detected	None Detected
Beige/Grey 12"X12" Floor Tile (46)	NOB	None Detected	Chrysotile Trace
Dark Brown 9"X9" Floor Tile-1 <sup>st</sup> Layer (49A)	NOB	Chrysotile 21.1%	
Black Floor Tile Mastic-2 <sup>nd</sup> Layer (49B)	NOB	None Detected	None Detected
Multi-Colored 12"X12" Floor Tile-1 <sup>st</sup> Layer (50A)	NOB	None Detected	None Detected

## **MATERIALS SAMPLED - REFER TO SAMPLE LOCATION DRAWINGS**

<b><u>MATERIAL (SAMPLE NO.)</u></b>	<b><u>FRIABLE/NON-FRIABLE/NOB</u></b>	<b><u>ASBESTOS BY PLM</u></b>	<b><u>ASBESTOS BY TEM</u></b>
<b><u>Flooring (continued)</u></b>			
Black Floor Tile Mastic-2 <sup>nd</sup> Layer (50B)	NOB	None Detected	None Detected
Beige 12"X12" Floor Tile-1 <sup>st</sup> Layer (52A)	NOB	None Detected	None Detected
Black Floor Tile Mastic-2 <sup>nd</sup> Layer (52B)	NOB	None Detected	None Detected
Beige Speckled 12"X12" Floor Tile-1 <sup>st</sup> Layer (57A)	NOB	None Detected	None Detected
White Floor Tile-2 <sup>nd</sup> Layer (57B)	NOB	None Detected	None Detected
Black Floor Tile Mastic-3 <sup>rd</sup> Layer (578C)	NOB	None Detected	None Detected
<b><u>Wall/Ceiling Finishes</u></b>			
White Wall Plaster-1 <sup>st</sup> Layer (1A)	Friable	None Detected	
Grey Wall Plaster-2 <sup>nd</sup> Layer (1B)	Friable	None Detected	
White Ceiling Plaster-1 <sup>st</sup> Layer (3A)	Friable	None Detected	
Grey Ceiling Plaster-2 <sup>nd</sup> Layer (3B)	Friable	None Detected	
White Wall Plaster-1 <sup>st</sup> Layer (4A)	Friable	None Detected	
Grey Wall Plaster-2 <sup>nd</sup> Layer (4B)	Friable	None Detected	
White Ceiling Spackle (5)	Friable	None Detected	
White Ceiling Plaster-1 <sup>st</sup> Layer (6A)	Friable	None Detected	
Grey Ceiling Plaster-2 <sup>nd</sup> Layer (6B)	Friable	None Detected	
White Ceiling Plaster-1 <sup>st</sup> Layer (7A)	Friable	None Detected	
Grey Ceiling Plaster-2 <sup>nd</sup> Layer (7B)	Friable	None Detected	
White Wall Plaster-1 <sup>st</sup> Layer (8A)	Friable	None Detected	
Grey Wall Plaster-2 <sup>nd</sup> Layer (8B)	Friable	None Detected	
White Ceiling Plaster-1 <sup>st</sup> Layer (9A)	Friable	None Detected	
Grey Ceiling Plaster-2 <sup>nd</sup> Layer (9B)	Friable	None Detected	
White Wall Plaster-1 <sup>st</sup> Layer (10A)	Friable	None Detected	
Grey Wall Plaster-2 <sup>nd</sup> Layer (10B)	Friable	None Detected	
White Ceiling Texture (11)	Friable	None Detected	
White Wall Plaster-1 <sup>st</sup> Layer (12A)	Friable	None Detected	
Grey Wall Plaster-2 <sup>nd</sup> Layer (12B)	Friable	None Detected	
White Ceiling Plaster-1 <sup>st</sup> Layer (13A)	Friable	None Detected	
Grey Ceiling Plaster-2 <sup>nd</sup> Layer (13B)	Friable	None Detected	
White Ceiling Plaster-1 <sup>st</sup> Layer (14A)	Friable	None Detected	
Grey Ceiling Plaster-2 <sup>nd</sup> Layer (14B)	Friable	None Detected	
White Wall Plaster-1 <sup>st</sup> Layer (15A)	Friable	None Detected	
Grey Wall Plaster-2 <sup>nd</sup> Layer (15B)	Friable	None Detected	
White Wall Plaster-1 <sup>st</sup> Layer (16A)	Friable	None Detected	
Grey Wall Plaster-2 <sup>nd</sup> Layer (16B)	Friable	None Detected	
Tan Ceramic Shower Wall Tile Mastic (21)	NOB	None Detected	None Detected
Tan Ceramic Shower Wall Tile Mastic (25)	NOB	None Detected	None Detected
Tan Ceramic Shower Wall Tile Mastic (28)	NOB	None Detected	None Detected
Tan Ceramic Shower Wall Tile Mastic (40)	NOB	None Detected	None Detected
Tan Ceramic Shower Wall Tile Mastic (51)	NOB	None Detected	None Detected
Brown Wall Panel Mastic (54)	NOB	Chrysotile 3.5%	
White Ceiling Spackle (56)	Friable	None Detected	
Tan Ceramic Shower Wall Tile Mastic (58)	NOB	None Detected	None Detected



**MATERIALS SAMPLED - REFER TO SAMPLE LOCATION DRAWINGS**

<b><u>MATERIAL (SAMPLE NO.)</u></b>	<b><u>FRIABLE/NON-FRIABLE/NOB</u></b>	<b><u>ASBESTOS BY PLM</u></b>	<b><u>ASBESTOS BY TEM</u></b>
<b><u>Thermal System Insulation</u></b>			
White Fibrous Pipe Insulation –In Tunnel (47)	Friable	Chrysotile 36.4%	
White Fibrous Wall Patch (48)	Friable	Chrysotile 33.3%	
<b><u>Ceiling Systems</u></b>			
White/Grey Pinhole Fissure 2'X4' Ceiling Tile (2)	Friable	None Detected	
<b><u>Miscellaneous</u></b>			
Brown Base Cove Mastic (55)	NOB	None Detected	None Detected
<b><u>Windows</u></b>			
Grey Window Glaze (18)	Non-Friable	None Detected	
White Window Glaze (19)	Non-Friable	None Detected	
Brown Window Caulk (20)	Non-Friable	Chrysotile 3.6%	
Grey Window Glaze (24)	Non-Friable	None Detected	
White Window Glaze (29)	Non-Friable	None Detected	
Grey Window Glaze (30)	Non-Friable	Chrysotile 4.3%	
Grey Window Glaze (36)	Non-Friable	None Detected	
White/Beige Window Caulk (37)	Non-Friable	Chrysotile 1.2%	
White/Beige Storm Window Caulk (38)	NOB	None Detected	None Detected
Grey/Beige Window Glaze (42)	Non-Friable	None Detected	
Beige Window Glaze (53)	Non-Friable	None Detected	

**CITY OF ROCHESTER  
BUILDING 4  
1170 GENESEE STREET  
ROCHESTER, NEW YORK**

**ASBESTOS CONTAINING MATERIALS BY LOCATION**

**ENTIRE BUILDING**

LOCATION	MATERIAL	COND.	CLASS	QUANTITY
Throughout	Window and Door Caulk (including storm window caulk)	Good	Non-Friable	63 Square Feet
	Window Glaze	Fair	Non-Friable	125 Square Feet
	Grey Corrugated Pipe Insulation and Associated Mudded Joint Packings and White Fibrous Pipe Insulation and Associated Mudded Joint Packings – located throughout basement, above basement ceiling, in walls and floors of entire building	Fair	Friable	2,100 Linear Feet

**BASEMENT**

LOCATION	MATERIAL	COND.	CLASS	QUANTITY
Throughout	White Fibrous Pipe Insulation – In Tunnel	Poor	Friable	Undetermined
	Note: Two Line of White Fibrous Pipe Insulation runs underground from Building 4 to Building 3			
	White Fibrous Wall Patch (around pipe tunnel access)	Poor	Friable	8 Square Feet
	White Fibrous Wall Patch <b>DEBRIS</b> – clean-up of floor and horizontal surfaces.	Poor	Friable	50 Square Feet
	Dark Brown 9”X9” Floor Tile	Fair	NOB	305 Square Feet
	Brown Wall Panel Mastic	Good	NOB	130 Square Feet

**APARTMENT 2**

LOCATION	MATERIAL	COND.	CLASS	QUANTITY
Kitchen and Bathroom	Beige/Orange 12”X12” Floor Tile	Good	NOB	80 Square Feet

### **APARTMENT 3**

LOCATION	MATERIAL	COND.	CLASS	QUANTITY
Kitchen	Beige/Brown Streaked 12"X12" Floor Tile	Good	NOB	80 Square Feet

### **APARTMENT 9**

LOCATION	MATERIAL	COND.	CLASS	QUANTITY
Kitchen	Brown Floral Sheet Vinyl over Grey Battleship Flooring	Good	NOB	81 Square Feet

### **APARTMENT 10**

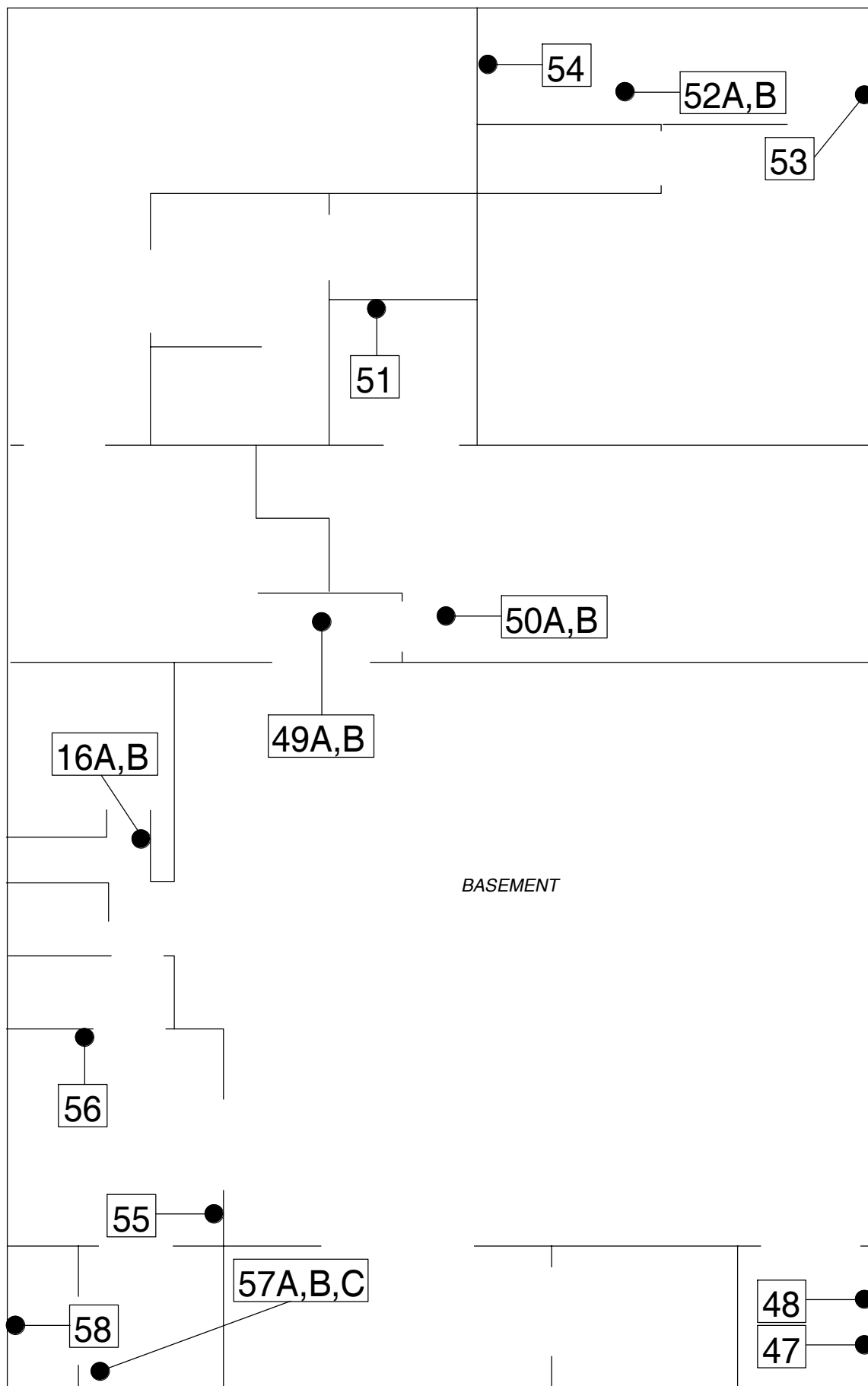
LOCATION	MATERIAL	COND.	CLASS	QUANTITY
Kitchen Closet	Beige/Orange 12"X12" Floor Tile	Good	NOB	10 Square Feet

### **APARTMENT 11**

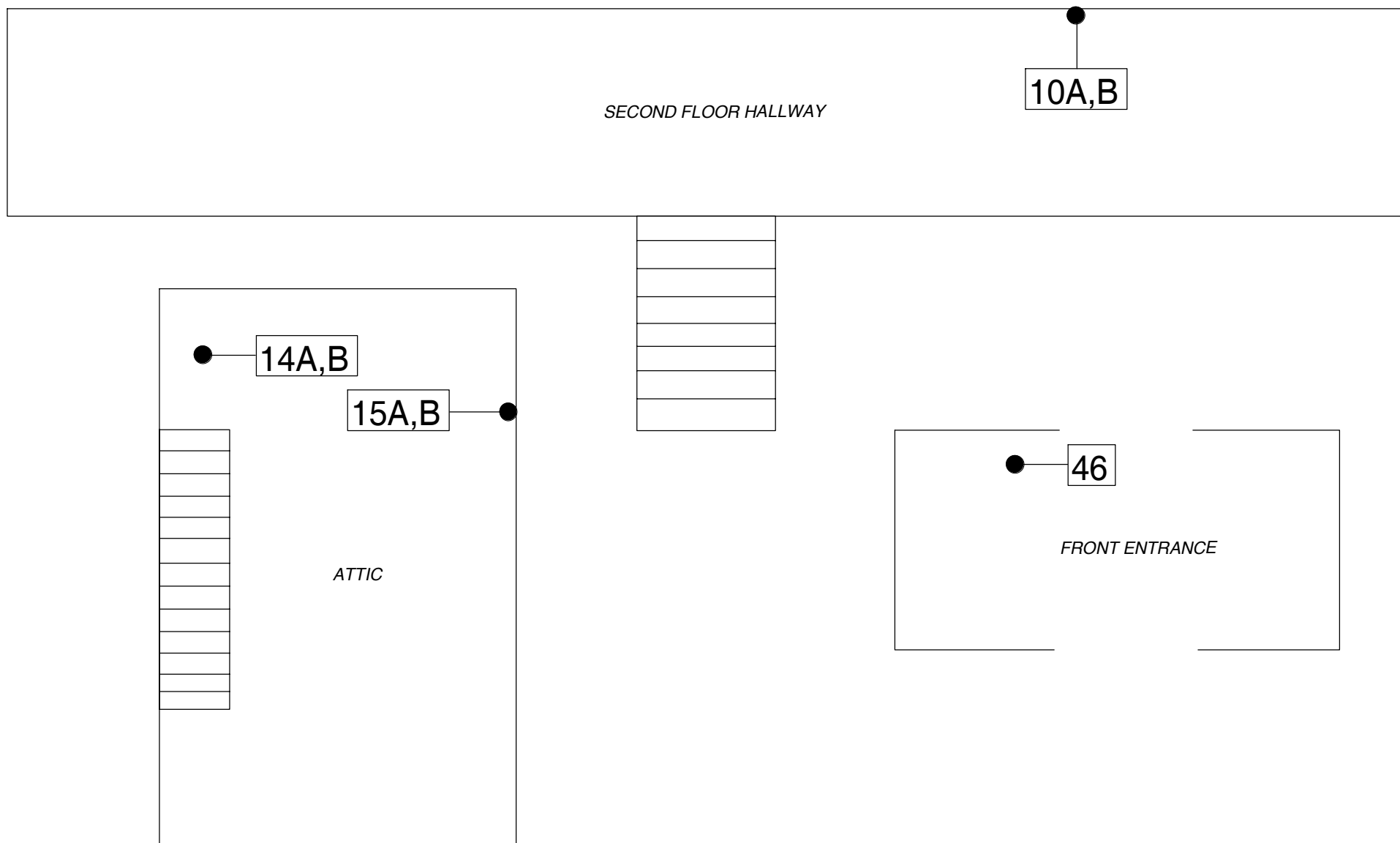
LOCATION	MATERIAL	COND.	CLASS	QUANTITY
Kitchen and Bathroom	Brown Floral Sheet Vinyl	Good	NOB	80 Square Feet

#### **Notes:**

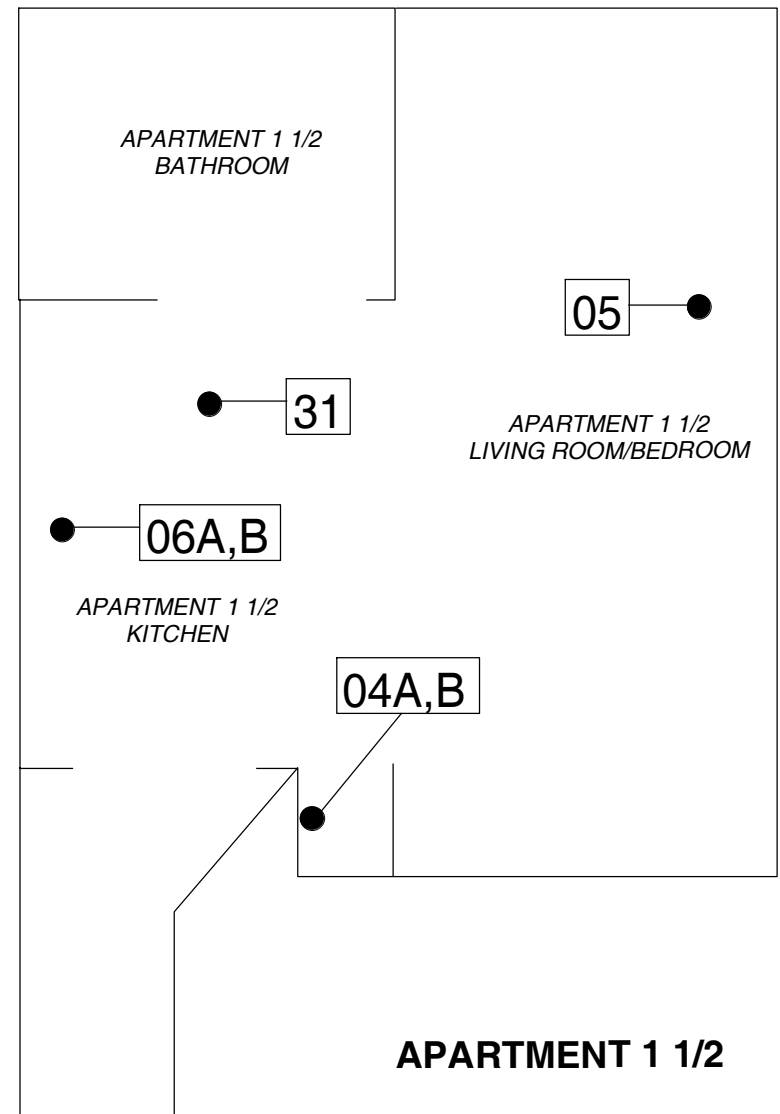
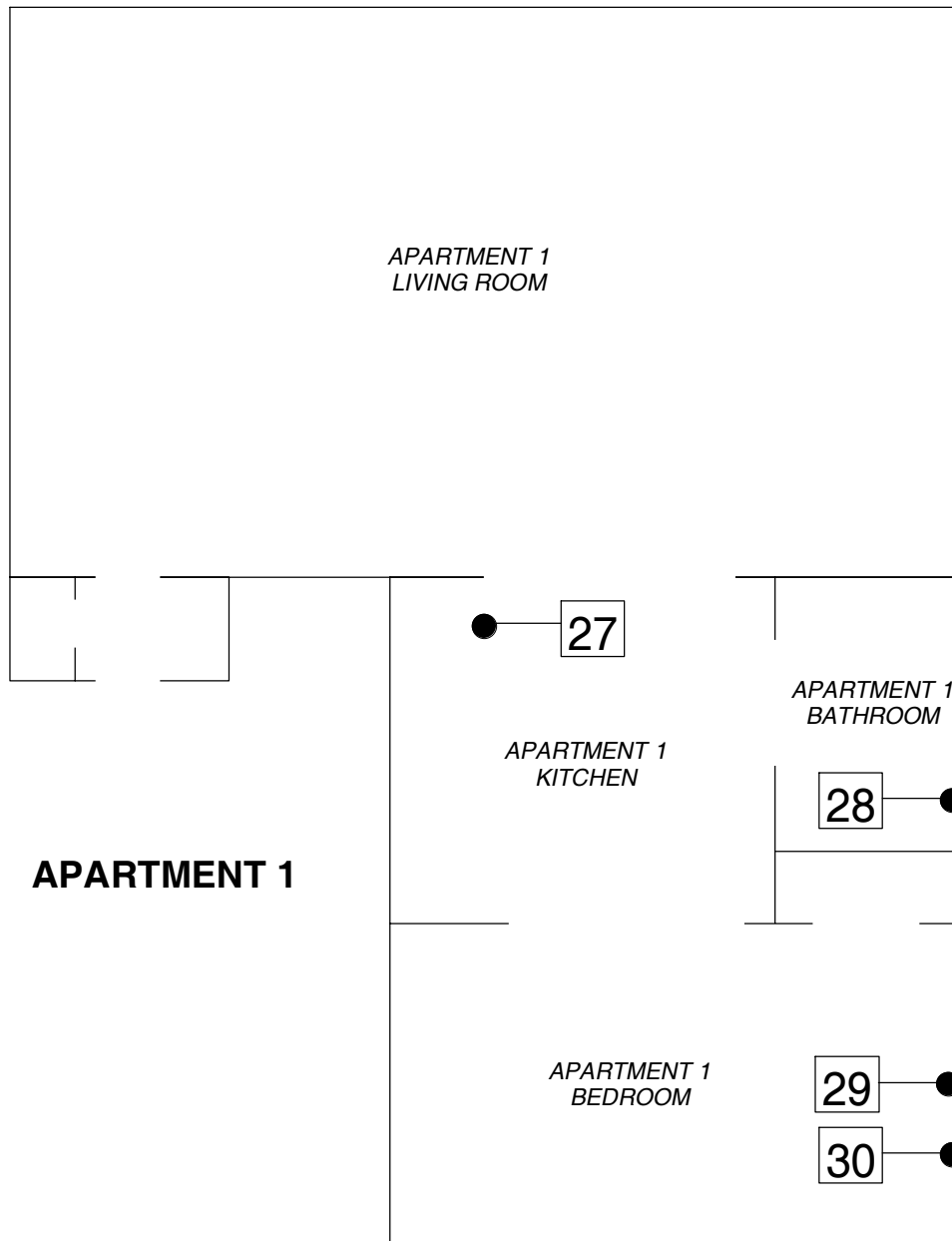
- Condition: **Good** = No visible damage and/or very limited deterioration. **Fair** = visible damage or deterioration on less than 25% of the material. **Poor** = visible damage or deterioration greater than 25%.
- All quantities are approximations and should be verified by contractor prior to removal.
- \* White fibrous pipe insulation, white fibrous wall patch, grey corrugated pipe insulation and its associated mudded joint packings located in the basement were not sampled and are presumed to be asbestos containing.



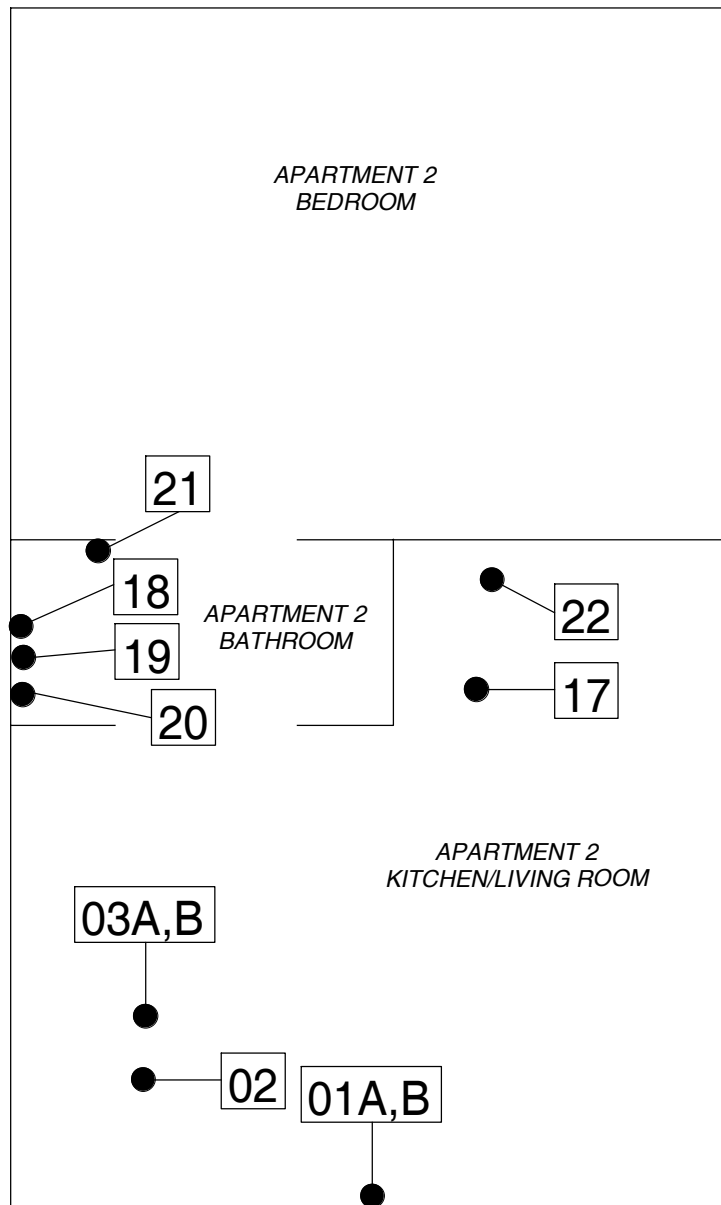
PRE-DEMOLITION ASBESTOS SURVEY  
BUILDING 4 - BASEMENT  
SAMPLE LOCATIONS



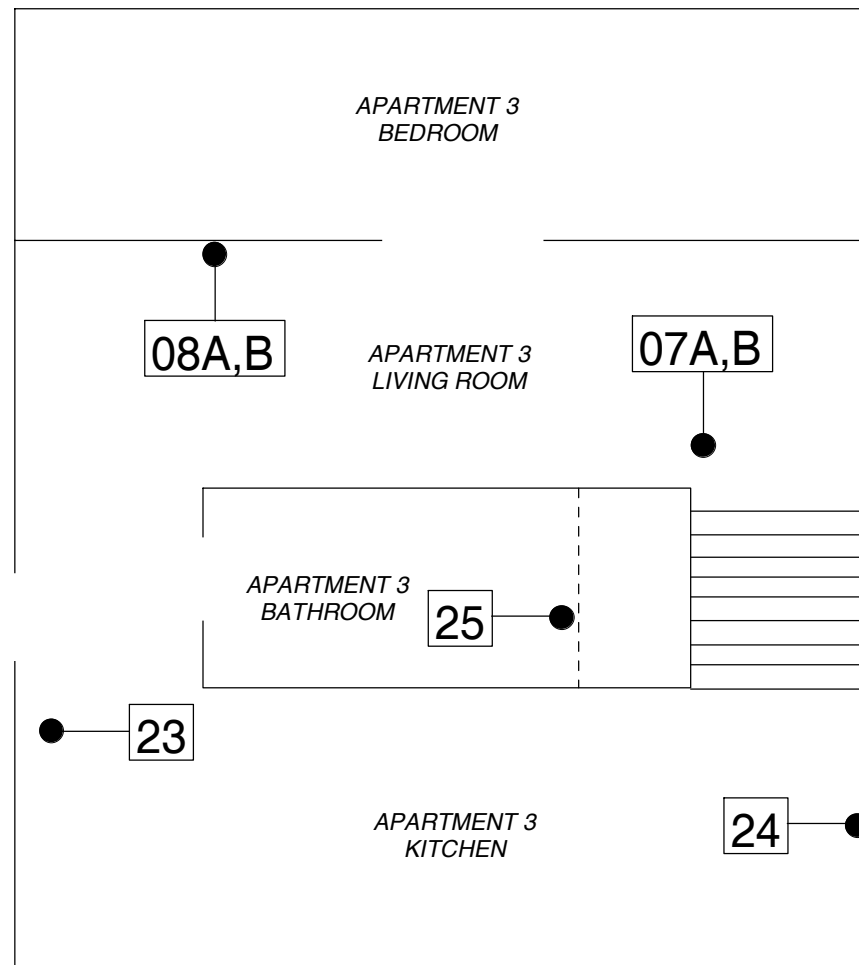
PRE-DEMOLITION ASBESTOS SURVEY  
BUILDING 4  
SAMPLE LOCATIONS



PRE-DEMOLITION ASBESTOS SURVEY  
BUILDING 4  
SAMPLE LOCATIONS

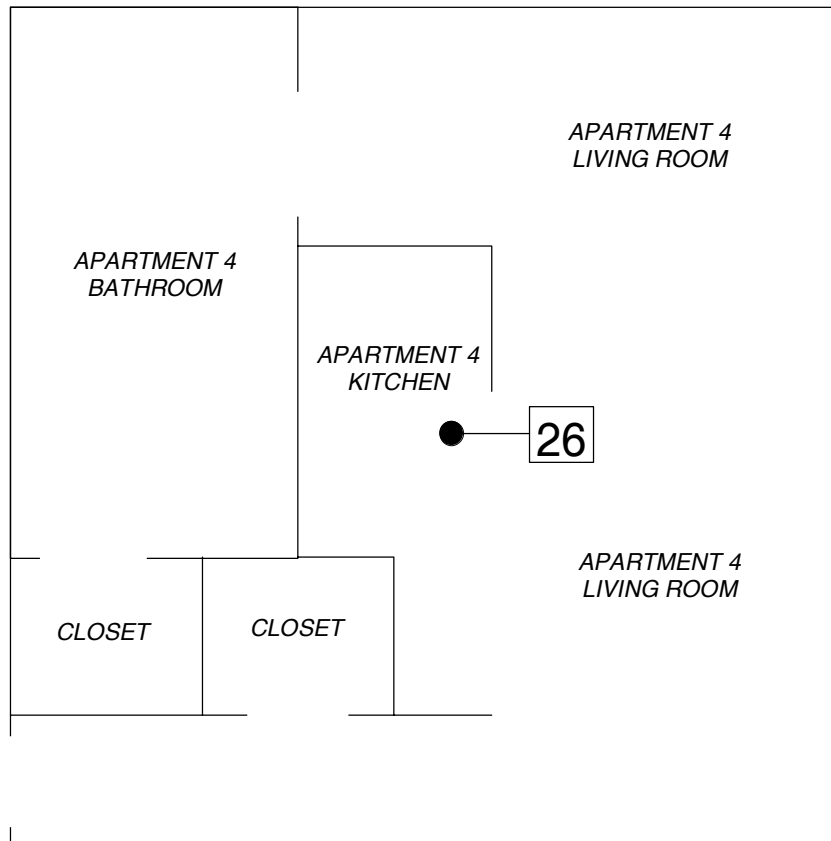


**APARTMENT 2**



**APARTMENT 3**

PRE-DEMOLITION ASBESTOS SURVEY  
BUILDING 4  
SAMPLE LOCATIONS



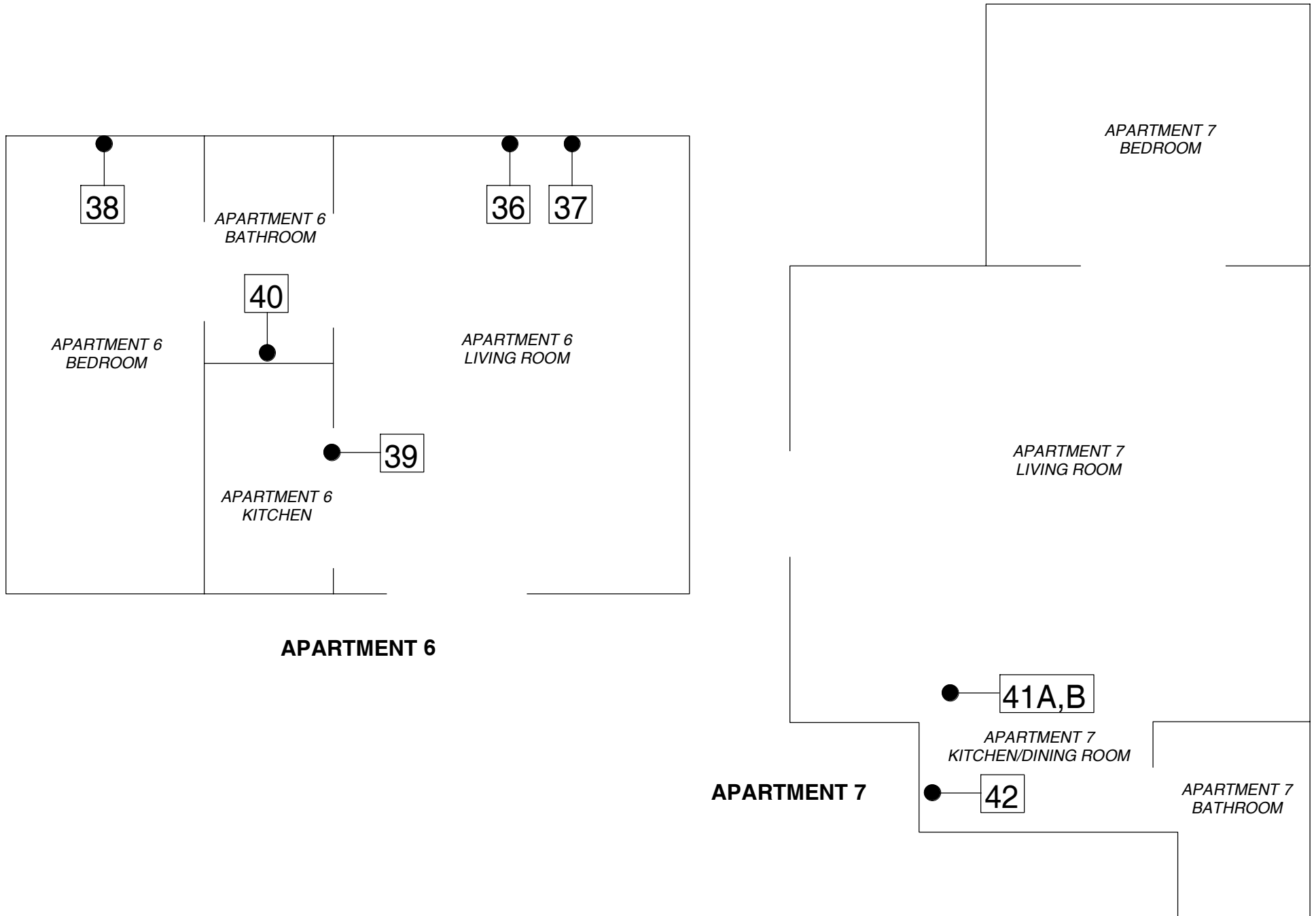
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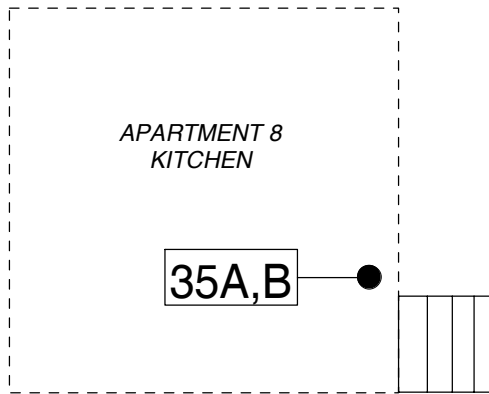
**APARTMENT 5**

**PRE-DEMOLITION ASBESTOS SURVEY  
BUILDING 4  
SAMPLE LOCATIONS**

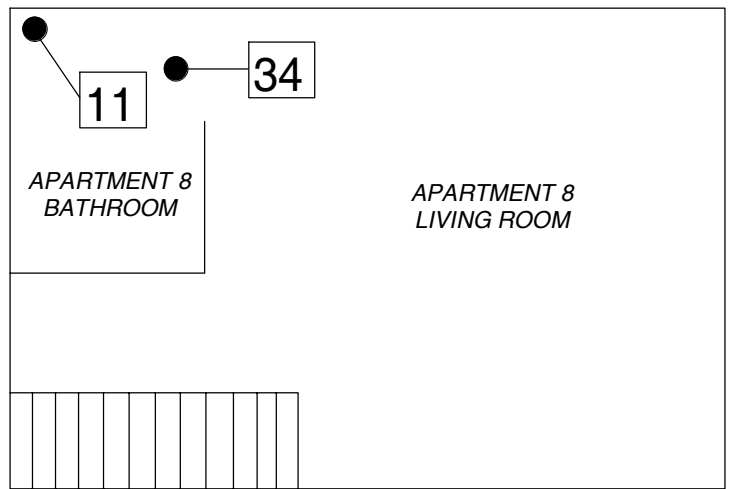




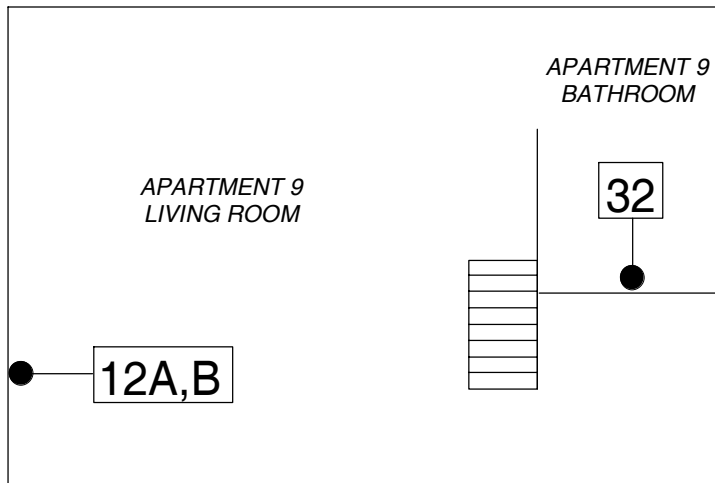
PRE-DEMOLITION ASBESTOS SURVEY  
BUILDING 4  
SAMPLE LOCATIONS



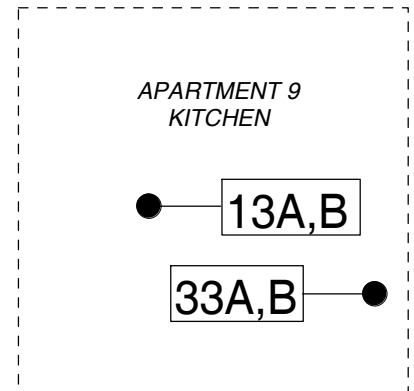
**APARTMENT 8  
MEZZANINE LEVEL**



**APARTMENT 8**



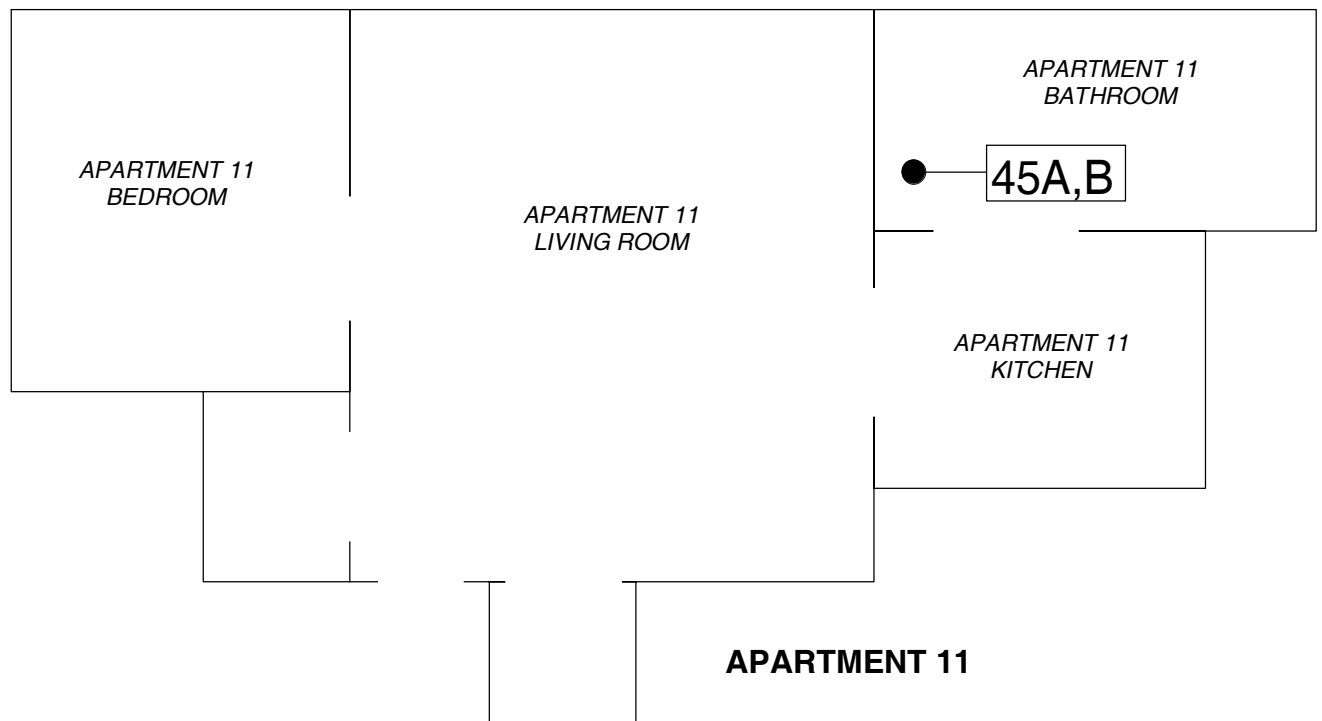
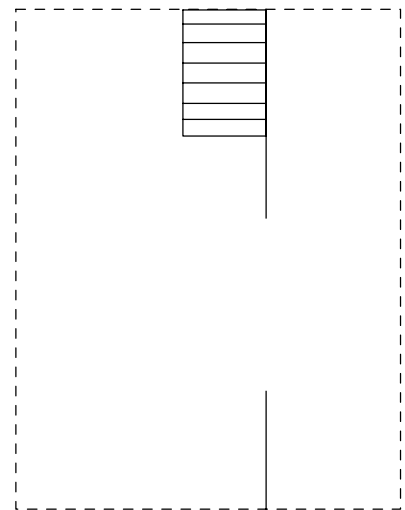
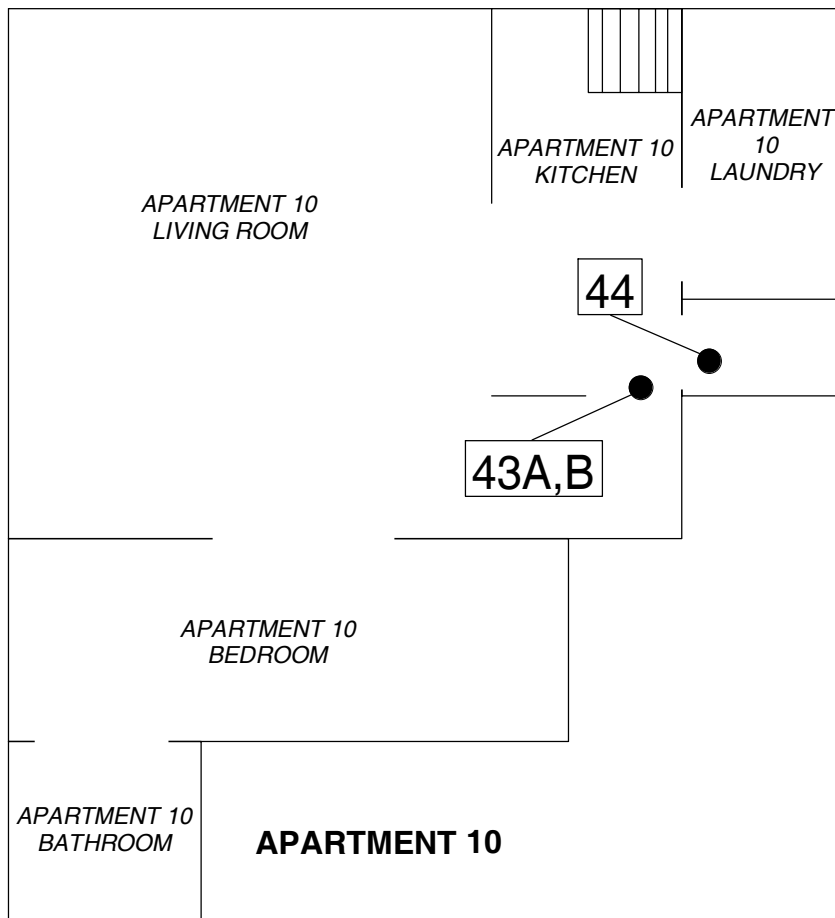
**APARTMENT 9**



**APARTMENT 9  
MEZZANINE LEVEL**

**PRE-DEMOLITION ASBESTOS SURVEY  
BUILDING 4  
SAMPLE LOCATIONS**

CITY OF ROCHESTER  
1170 GENESEE STREET  
ROCHESTER, NEW YORK



PRE-DEMOLITION ASBESTOS SURVEY  
BUILDING 4  
SAMPLE LOCATIONS

CITY OF ROCHESTER  
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**LOZIER ENVIRONMENTAL CONSULTING, INC.**

2011 EAST MAIN STREET  
ROCHESTER, NEW YORK 14609  
PHONE (585)-654-9080  
FAX (585)-654-9662

NEW YORK STATE APPROVED  
ENVIRONMENTAL LABORATORY  
ELAP #11770

**Client:** City of Rochester  
30 Church Street  
Rochester, New York 14614

**Laboratory No.:** 22006  
**Date Received:** 7/24/08  
**Report Date:** 8/4/08  
**Analysis Date:** 7/24/08  
**Page:** 1 of 3

**Attn:** Curt Colombo

**Project Site:** Building 4 - 1170 Genesee Street, Rochester, New York

**SAMPLE INFORMATION**

<b>Sample Date:</b>	7/23/08	<b>Location:</b>	Interior/Exterior	<b>Analyst:</b>	T. Bush
<b>Sampler:</b>	R.Arthurs/A.Cartella	<b>Type of Sample:</b>	Bulk Asbestos	<b>Number of Samples:</b>	29

**ASBESTOS BULK LABORATORY REPORT**

Client ID	Lab ID	Sampling Location	Description	Asbestos Fibers (%)	Total Asbestos (%)	T E M	C L A S S	Non-Asbestos Fibers (%)	Matrix Material (%)
1A	22006-1A	Apartment 2 Living Room	White Wall Plaster 1st Layer	None Detected 0%	0%		F	None Detected 0%	100%
1B	22006-1B	Apartment 2 Living Room	Grey Wall Plaster 2nd Layer	None Detected 0%	0%		F	Animal Hair 2%	98%
2	22006-2	Apartment 2 Living Room	White/Grey Pinhole Fissure 2'X4' Ceiling Tile	None Detected 0%	0%		F	Cellulose 40% Fiberglass 30% Mineral Wool 10%	20%
3A	22006-3A	Apartment 2 Bathroom	White Ceiling Plaster 1st Layer	None Detected 0%	0%		F	None Detected 0%	100%
3B	22006-3B	Apartment 2 Bathroom	Grey Ceiling Plaster 2nd Layer	None Detected 0%	0%		F	None Detected 0%	100%
4A	22006-4A	Apartment 1½ Closet	White Wall Plaster 1st Layer	None Detected 0%	0%		F	None Detected 0%	100%
4B	22006-4B	Apartment 1½ Closet	Grey Wall Plaster 2nd Layer	None Detected 0%	0%		F	Cellulose 5%	95%
5	22006-5	Apartment 1½ Living Room/Bedroom	White Ceiling Spackle	None Detected 0%	0%		F	None Detected 0%	100%
6A	22006-6A	Apartment 1½ Kitchen	White Ceiling Plaster 1st Layer	None Detected 0%	0%		F	None Detected 0%	100%
6B	22006-6B	Apartment 1½ Kitchen	Grey Ceiling Plaster 2nd Layer	None Detected 0%	0%		F	Cellulose 2%	98%

**Analysis Method:** Polarized Light Microscopy (PLM) - Friable Material: New York State ELAP Item 198.1 and NOB Material: ELAP Item 198.6.

**Material Classification:** F = Friable, NF = Non-Friable, NOB = Non-Friable Organically Bound.

Analytical results relate only to the sample received and analyzed.

Analyst: J.Crowley - NIKON Optiphot 2 Polarized Light Microscope (136048)  
Analyst: T.Bush- Olympus BHS Polarized Light Microscope (BHS/245957)

Approved By: \_\_\_\_\_  
Laboratory Director

**LOZIER ENVIRONMENTAL CONSULTING, INC.**

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NEW YORK STATE APPROVED  
 ENVIRONMENTAL LABORATORY  
 ELAP #11770

**Client:** City of Rochester  
 30 Church Street  
 Rochester, New York 14614

**Laboratory No.:** 22006  
**Date Received:** 7/24/08  
**Report Date:** 8/4/08  
**Analysis Date:** 7/24/08  
**Page:** 2 of 3

**Attn:** Curt Colombo

**Project Site:** Building 4 - 1170 Genesee Street, Rochester, New York

**SAMPLE INFORMATION**

<b>Sample Date:</b>	7/23/08	<b>Location:</b>	Interior/Exterior	<b>Analyst:</b>	T. Bush
<b>Sampler:</b>	R.Arthurs/A.Cartella	<b>Type of Sample:</b>	Bulk Asbestos	<b>Number of Samples:</b>	29

**ASBESTOS BULK LABORATORY REPORT**

Client ID	Lab ID	Sampling Location	Description	Asbestos Fibers (%)	Total Asbestos (%)	T E M	C L A S S	Non-Asbestos Fibers (%)	Matrix Material (%)
7A	22006-7A	Apartment 3 Living Room	White Ceiling Plaster 1st Layer	None Detected 0%	0%		F	None Detected 0%	100%
7B	22006-7B	Apartment 3 Living Room	Grey Ceiling Plaster 2nd Layer	None Detected 0%	0%		F	None Detected 0%	100%
8A	22006-8A	Apartment 3 Bedroom	White Wall Plaster 1st Layer	None Detected 0%	0%		F	None Detected 0%	100%
8B	22006-8B	Apartment 3 Bedroom	Grey Wall Plaster 2nd Layer	None Detected 0%	0%		F	None Detected 0%	100%
9A	22006-9A	Second Floor Hallway	White Ceiling Plaster 1st Layer	None Detected 0%	0%		F	None Detected 0%	100%
9B	22006-9B	Second Floor Hallway	Grey Ceiling Plaster 2nd Layer	None Detected 0%	0%		F	None Detected 0%	100%
10A	22006-10A	Second Floor Hallway	White Wall Plaster 1st Layer	None Detected 0%	0%		F	None Detected 0%	100%
10B	22006-10B	Second Floor Hallway	Grey Wall Plaster 2nd Layer	None Detected 0%	0%		F	Cellulose 3%	97%
11	22006-11	Apartment 8 Bathroom	White Ceiling Texture 1st Layer	None Detected 0%	0%		F	None Detected 0%	100%
12A	22006-12A	Apartment 9 Living Room/Bedroom	White Wall Plaster 1st Layer	None Detected 0%	0%		F	None Detected 0%	100%

**Analysis Method:** Polarized Light Microscopy (PLM) - Friable Material: New York State ELAP Item 198.1 and NOB Material: ELAP Item 198.6.

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 Analyst: T.Bush- Olympus BHS Polarized Light Microscope (BHS/245957)

Approved By: \_\_\_\_\_  
 Laboratory Director

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Rochester, New York 14614

**Laboratory No.:** 22006  
**Date Received:** 7/24/08  
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**Analysis Date:** 7/24/08  
**Page:** 3 of 3

**Attn:** Curt Colombo

**Project Site:** Building 4 - 1170 Genesee Street, Rochester, New York

**SAMPLE INFORMATION**

<b>Sample Date:</b>	7/23/08	<b>Location:</b>	Interior/Exterior	<b>Analyst:</b>	T. Bush
<b>Sampler:</b>	R.Arthurs/A.Cartella	<b>Type of Sample:</b>	Bulk Asbestos	<b>Number of Samples:</b>	29

**ASBESTOS BULK LABORATORY REPORT**

Client ID	Lab ID	Sampling Location	Description	Asbestos Fibers (%)	Total Asbestos (%)	T E M	C L A S S	Non-Asbestos Fibers (%)	Matrix Material (%)
12B	22006-12B	Apartment 9 Living Room/Bedroom	Grey Wall Plaster 2nd Layer	None Detected 0%	0%		F	Cellulose 2% Animal Hair 2%	96%
13A	22006-13A	Apartment 9 Kitchen	White Ceiling Plaster 1st Layer	None Detected 0%	0%		F	None Detected 0%	100%
13B	22006-13B	Apartment 9 Kitchen	Grey Ceiling Plaster 2nd Layer	None Detected 0%	0%		F	None Detected 0%	100%
14A	22006-14A	Attic	White Ceiling Plaster 1st Layer	None Detected 0%	0%		F	None Detected 0%	100%
14B	22006-14B	Attic	Grey Ceiling Plaster 2nd Layer	None Detected 0%	0%		F	Animal Hair 5%	95%
15A	22006-15A	Attic	White Wall Plaster 1st Layer	None Detected 0%	0%		F	None Detected 0%	100%
15B	22006-15B	Attic	Grey Wall Plaster 2nd Layer	None Detected 0%	0%		F	Animal Hair 5%	95%
16A	22006-16A	Basement	White Wall Plaster 1st Layer	None Detected 0%	0%		F	None Detected 0%	100%
16B	22006-16B	Basement	Grey Wall Plaster 2nd Layer	None Detected 0%	0%		F	None Detected 0%	100%

\*Polarized-light microscopy is not consistently reliable in detecting asbestos in floor coverings & similar non-friable organically bound materials (NOB). Quantitative Transmission Electron Microscopy (TEM) is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos containing.

**Analysis Method:** Polarized Light Microscopy (PLM) - **Friable Material:** New York State ELAP Item 198.1 and **NOB Material:** ELAP Item 198.6.

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Analytical results relate only to the sample received and analyzed.

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Approved By: \_\_\_\_\_  
Laboratory Director

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NEW YORK STATE APPROVED  
ENVIRONMENTAL LABORATORY  
ELAP #11770

**Client:** City of Rochester  
30 Church Street  
Rochester, New York 14614

**Laboratory No.:** 22076

**Date Received:** 7/29/08

**Report Date:** 8/4/08

**Analysis Date:** 7/29/08-7/30/08

**Attn:** Curt Colombo

**Page:** 1 of 6

TEM Results on Following Pages

**Project Site:** Building 4 - 1170 Genesee Street, Rochester, New York

**SAMPLE INFORMATION**

<b>Sample Date:</b>	7/28/08	<b>Location:</b>	Interior/Exterior	<b>Analyst:</b>	T. Bush
<b>Sampler:</b>	R.Arthurs/A.Cartella	<b>Type of Sample:</b>	Bulk Asbestos	<b>Number of Samples:</b>	52

**ASBESTOS BULK LABORATORY REPORT**

Client ID	Lab ID	Sampling Location	Description	Asbestos Fibers (%)	Total Asbestos (%)	TEM	CLASS	Non-Asbestos Fibers (%)	Matrix Material (%)
17	22076-17	Apartment 2 Kitchen/Living Room	Beige/Orange 12"X12" Floor Tile	Chrysotile 12.9%	12.9%		NOB	None Detected 0%	87.1%
18	22076-18	Apartment 2 Bathroom	Grey Window Glaze	None Detected 0%	0%		NF	None Detected 0%	100%
19	22076-19	Apartment 2 Bathroom	White Window Glaze	None Detected 0%	0%		NF	None Detected 0%	100%
20	22076-20	Apartment 2 Bathroom	Brown Window Caulk	Chrysotile 3.6%	3.6%		NF	None Detected 0%	96.4%
21	22076-21	Apartment 2 Bathroom	Tan Shower Ceramic Tile Mastic	Inconclusive, None Detected 0%	0%	*	NOB	None Detected 0%	100%
22	22076-22	Apartment 2 Kitchen/Living Room	Brown Pebble Sheet Vinyl (In Kitchen Cabinet)	Inconclusive, None Detected 0%	0%	*	NOB	Cellulose 50%	50%
23	22076-23	Apartment 3 Kitchen	Beige/Brown Streaked 12"X12" Floor Tile	Chrysotile 17.4%	17.4%		NOB	None Detected 0%	82.6%
24	22076-24	Apartment 3 Kitchen	Grey Window Glaze	Chrysotile <1%	<1%		NF	None Detected 0%	>99%
25	22076-25	Apartment 3 Bathroom	Tan Ceramic Shower Wall Tile Mastic	Inconclusive, None Detected 0%	0%	*	NOB	None Detected 0%	100%
26	22076-26	Apartment 4 Entry Hall/Kitchen	Beige Mottled 12"X12" Floor Tile	Inconclusive, None Detected 0%	0%	*	NOB	None Detected 0%	100%

\*Polarized-light microscopy is not consistently reliable in detecting asbestos in floor coverings & similar non-friable organically bound materials (NOB). Quantitative Transmission Electron Microscopy (TEM) is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos containing.

**Analysis Method:** Polarized Light Microscopy (PLM) - **Friable Material:** New York State ELAP Item 198.1 and **NOB Material:** ELAP Item 198.6.

**Material Classification:** F = Friable, NF = Non-Friable, NOB = Non-Friable Organically Bound.

Analytical results relate only to the sample received and analyzed.

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Approved By: \_\_\_\_\_  
Laboratory Director

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**Analysis Date:** 7/29/08-7/30/08

**Attn:** Curt Colombo

**Page:** 2 of 6

TEM Results on Following Pages

**Project Site:** Building 4 - 1170 Genesee Street, Rochester, New York

**SAMPLE INFORMATION**

<b>Sample Date:</b>	7/28/08	<b>Location:</b>	Interior/Exterior	<b>Analyst:</b>	T. Bush
<b>Sampler:</b>	R.Arthurs/A.Cartella	<b>Type of Sample:</b>	Bulk Asbestos	<b>Number of Samples:</b>	52

**ASBESTOS BULK LABORATORY REPORT**

Client ID	Lab ID	Sampling Location	Description	Asbestos Fibers (%)	Total Asbestos (%)	TEM	CLASS	Non-Asbestos Fibers (%)	Matrix Material (%)
27	22076-27	Apartment 1 Kitchen	Beige Mottled 12"X12" Floor Tile	Inconclusive, None Detected 0%	0%	*	NOB	None Detected 0%	100%
28	22076-28	Apartment 1 Bathroom	Tan Ceramic Shower Wall Tile Mastic	Inconclusive, None Detected 0%	0%	*	NOB	None Detected 0%	100%
29	22076-29	Apartment 1 Bedroom	White Window Glaze	None Detected 0%	0%		NF	None Detected 0%	100%
30	22076-30	Apartment 1 Bedroom	Grey Window Glaze	Chrysotile 4.3%	4.3%		NF	None Detected 0%	95.7%
31	22076-31	Apartment 1½ Kitchen	Multi-Colored Speckled 12"X12" Floor Tile	Inconclusive, None Detected 0%	0%	*	NOB	None Detected 0%	100%
32	22076-32	Apartment 9 Bathroom	Multi-Colored Speckled 12"X12" Floor Tile	Inconclusive, None Detected 0%	0%	*	NOB	None Detected 0%	100%
33A	22076-33A	Apartment 9 Kitchen	Brown Floral Sheet Vinyl 1st Layer	Inconclusive, None Detected 0%	0%	*	NOB	None Detected 0%	100%
33B	22076-33B	Apartment 9 Kitchen	Grey Battleship Flooring 2nd Layer	Inconclusive, None Detected 0%	0%	*	NOB	None Detected 0%	100%
34	22076-34	Apartment 8 Bathroom	Beige Speckled 12"X12" Floor Tile	Inconclusive, None Detected 0%	0%	*	NOB	None Detected 0%	100%
35A	22076-35A	Apartment 8 Kitchen	Tan Sheet Vinyl 1st Layer	Inconclusive, None Detected 0%	0%	*	NOB	None Detected 0%	100%

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**Analysis Method:** Polarized Light Microscopy (PLM) - **Friable Material:** New York State ELAP Item 198.1 and **NOB Material:** ELAP Item 198.6.

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Analytical results relate only to the sample received and analyzed.

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Approved By: \_\_\_\_\_  
Laboratory Director



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**Date Received:** 7/29/08

**Report Date:** 8/4/08

**Analysis Date:** 7/29/08-7/30/08

**Attn:** Curt Colombo

**Page:** 3 of 6

TEM Results on Following Pages

**Project Site:** Building 4 - 1170 Genesee Street, Rochester, New York

**SAMPLE INFORMATION**

<b>Sample Date:</b>	7/28/08	<b>Location:</b>	Interior/Exterior	<b>Analyst:</b>	T. Bush
<b>Sampler:</b>	R.Arthurs/A.Cartella	<b>Type of Sample:</b>	Bulk Asbestos	<b>Number of Samples:</b>	52

**ASBESTOS BULK LABORATORY REPORT**

Client ID	Lab ID	Sampling Location	Description	Asbestos Fibers (%)	Total Asbestos (%)	TEM	CLASS	Non-Asbestos Fibers (%)	Matrix Material (%)
35B	22076-35B	Apartment 8 Kitchen	Blue/Green Flooring 2nd Layer	Inconclusive, None Detected 0%	0%	*	NOB	Cellulose 20% Synthetic 12%	68%
36	22076-36	Apartment 6 Living Room	Grey Window Glaze	None Detected 0%	0%		NF	None Detected 0%	100%
37	22076-37	Apartment 6 Living Room	White/Beige Window Caulk	Chrysotile 1.2%	1.2%		NF	None Detected 0%	98.8%
38	22076-38	Apartment 6 Bedroom	White/Beige Storm Window Caulk	Inconclusive, None Detected 0%	0%	*	NOB	None Detected 0%	100%
39	22076-39	Apartment 6 Kitchen	Green Pebble 12"X12" Floor Tile	Inconclusive, None Detected 0%	0%	*	NOB	None Detected 0%	100%
40	22076-40	Apartment 6 Bathroom	Tan Ceramic Shower Wall Tile Mastic	Inconclusive, None Detected 0%	0%	*	NOB	None Detected 0%	100%
41A	22076-41A	Apartment 7 Kitchen/Dining Room	Yellow Pebble 12"X12" Floor Tile 1st Layer	Inconclusive, None Detected 0%	0%	*	NOB	None Detected 0%	100%
41B	22076-41B	Apartment 7 Kitchen/Dining Room	Tan Floor Tile Mastic 2nd Layer	Inconclusive, None Detected 0%	0%	*	NOB	None Detected 0%	100%
42	22076-42	Apartment 7 Kitchen/Dining Room	Grey/Beige Window Glaze	None Detected 0%	0%		NF	None Detected 0%	100%
43A	22076-43A	Apartment 10 Kitchen	Brown/Blue/White Pebble 12"X12" Floor Tile 1st Layer	Inconclusive, None Detected 0%	0%	*	NOB	None Detected 0%	100%

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**Analysis Method:** Polarized Light Microscopy (PLM) - **Friable Material:** New York State ELAP Item 198.1 and **NOB Material:** ELAP Item 198.6.

**Material Classification:** F = Friable, NF = Non-Friable, NOB = Non-Friable Organically Bound.

Analytical results relate only to the sample received and analyzed.

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Approved By: \_\_\_\_\_  
 Laboratory Director

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**Page:** 4 of 6

TEM Results on Following Pages

**Project Site:** Building 4 - 1170 Genesee Street, Rochester, New York

**SAMPLE INFORMATION**

<b>Sample Date:</b>	7/28/08	<b>Location:</b>	Interior/Exterior	<b>Analyst:</b>	T. Bush
<b>Sampler:</b>	R.Arthurs/A.Cartella	<b>Type of Sample:</b>	Bulk Asbestos	<b>Number of Samples:</b>	52

**ASBESTOS BULK LABORATORY REPORT**

Client ID	Lab ID	Sampling Location	Description	Asbestos Fibers (%)	Total Asbestos (%)	TEM	CLASS	Non-Asbestos Fibers (%)	Matrix Material (%)
43B	22076-43B	Apartment 10 Kitchen	Tan Floor Tile Mastic 2nd Layer	Inconclusive, None Detected 0%	0%	*	NOB	None Detected 0%	100%
44	22076-44	Apartment 10 Kitchen Closet	Beige/Orange 12"X12" Floor Tile	Chrysotile 16.7%	16.7%		NOB	None Detected 0%	83.3%
45A	22076-45A	Apartment 11 Bathroom	Brown Floral Sheet Vinyl 1st Layer	Inconclusive, None Detected 0%	0%	*	NOB	None Detected 0%	100%
45B	22076-45B	Apartment 11 Bathroom	Tan Sheet Vinyl Mastic 2nd Layer	Inconclusive, None Detected 0%	0%	*	NOB	None Detected 0%	100%
46	22076-46	Front Entrance	Beige/Grey 12"X12" Floor Tile	Inconclusive, None Detected 0%	0%	*	NOB	None Detected 0%	100%
47	22076-47	Basement	White Fibrous Pipe Insulation - In Tunnel	Chrysotile 36.4%	36.4%		F	None Detected 0%	63.6%
48	22076-48	Basement	White Fibrous Wall Patch	Chrysotile 33.3%	33.3%		F	None Detected 0%	66.7%
49A	22076-49A	Basement	Dark Brown 9"X9" Floor Tile 1st Layer	Chrysotile 21.1%	21.1%		NOB	None Detected 0%	78.9%
49B	22076-49B	Basement	Black Floor Tile Mastic 2nd Layer	Inconclusive, None Detected 0%	0%	*	NOB	None Detected 0%	100%
50A	22076-50A	Basement	Multi-Colored 12"X12" Floor Tile 1st Layer	Inconclusive, None Detected 0%	0%	*	NOB	None Detected 0%	100%

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**Analysis Method:** Polarized Light Microscopy (PLM) - **Friable Material:** New York State ELAP Item 198.1 and **NOB Material:** ELAP Item 198.6.

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Approved By: \_\_\_\_\_  
 Laboratory Director

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TEM Results on Following Pages

**Project Site:** Building 4 - 1170 Genesee Street, Rochester, New York

**SAMPLE INFORMATION**

<b>Sample Date:</b>	7/28/08	<b>Location:</b>	Interior/Exterior	<b>Analyst:</b>	T. Bush
<b>Sampler:</b>	R.Arthurs/A.Cartella	<b>Type of Sample:</b>	Bulk Asbestos	<b>Number of Samples:</b>	52

**ASBESTOS BULK LABORATORY REPORT**

Client ID	Lab ID	Sampling Location	Description	Asbestos Fibers (%)	Total Asbestos (%)	TEM	CLASS	Non-Asbestos Fibers (%)	Matrix Material (%)
50B	22076-50B	Basement	Black Floor Tile Mastic 2nd Layer	Inconclusive, None Detected 0%	0%	*	NOB	None Detected 0%	100%
51	22076-51	Basement	Tan Ceramic Shower Wall Tile Mastic	Inconclusive, None Detected 0%	0%	*	NOB	None Detected 0%	100%
52A	22076-52A	Basement	Beige 12"X12" Floor Tile 1st Layer	Inconclusive, None Detected 0%	0%	*	NOB	None Detected 0%	100%
52B	22076-52B	Basement	Black Floor Tile Mastic 2nd Layer	Inconclusive, None Detected 0%	0%	*	NOB	None Detected 0%	100%
53	22076-53	Basement	Beige Window Glaze	None Detected 0%	0%		NF	None Detected 0%	100%
54	22076-54	Basement	Brown Wall Panel Mastic	Chrysotile 3.5%	3.5%		NOB	None Detected 0%	96.5%
55	22076-55	Basement	Brown Base Cove Mastic	Inconclusive, None Detected 0%	0%	*	NOB	None Detected 0%	100%
56	22076-56	Basement	White Ceiling Spackle	None Detected 0%	0%		F	None Detected 0%	100%
57A	22076-57A	Basement	Beige Speckled 12"X12" Floor Tile 1st Layer	Inconclusive, None Detected 0%	0%	*	NOB	None Detected 0%	100%
57B	22076-57B	Basement	White Floor Tile 2nd Layer	Inconclusive, None Detected 0%	0%	*	NOB	None Detected 0%	100%

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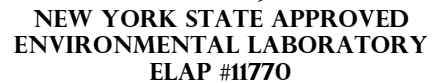
**Analysis Method:** Polarized Light Microscopy (PLM) - **Friable Material:** New York State ELAP Item 198.1 and **NOB Material:** ELAP Item 198.6.

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Approved By: \_\_\_\_\_  
Laboratory Director



Approved By: \_\_\_\_\_  
Laboratory Director

**Table 1**  
**Summary of Bulk Asbestos Analysis Results by NYS ELAP 198.4 NOB Method**  
 22076; City Of Rochester, 1170 Genesee St., Bldg #4

AmeriSci Sample #	Client Sample#	HG Area	Sample Weight (gram)	Heat Sensitive Organic %	Acid Soluble Inorganic %	Insoluble Non-Asbestos Inorganic %	Asbestos % by TEM
01 Location: 55.0%	22076-21		---	---	---	---	NAD
02 Location: 2.6%	22076-22		---	---	---	---	NAD
03 Location: 3.2%	22076-25		---	---	---	---	NAD
04 Location: 4.2%	22076-26		---	---	---	---	NAD
05 Location: 5.1%	22076-27		---	---	---	---	NAD
06 Location: 55.0%	22076-28		---	---	---	---	NAD
07 Location: 2.6%	22076-31		---	---	---	---	NAD
08 Location: 1.8%	22076-32		---	---	---	---	NAD
09 Location: 4.5%	22076-33A		---	---	---	---	NAD
10 Location: 14.0%	22076-33B		---	---	---	---	NAD
11 Location: 3.3%	22076-34		---	---	---	---	NAD
12 Location: 3.6%	22076-35A		---	---	---	---	NAD
13 Location: 16.0%	22076-35B		---	---	---	---	NAD
14 Location: 8.1%	22076-38		---	---	---	---	NAD
15 Location: 2.7%	22076-39		---	---	---	---	NAD

See Reporting notes on last page

**Table I**  
**Summary of Bulk Asbestos Analysis Results by NYS ELAP 198.4 NOB Method**  
 22076; City Of Rochester, 1170 Genesee St., Bldg #4

AmeriSci Sample #	Client Sample#	HG Area	Sample Weight (gram)	Heat Sensitive Organic %	Acid Soluble Inorganic %	Insoluble Non-Asbestos Inorganic %	Asbestos % by TEM
16	22076-40						NAD
Location: 53.0%							
17	22076-41A						NAD
Location: 1.8%							
18	22076-41B						NAD
Location: 1.4%							
19	22076-43A						NAD
Location: 1.5%							
20	22076-43B						NAD
Location: 1.5%							
21	22076-45A						NAD
Location: 21.0%							
22	22076-45B						Chrysotile 1.5
Location: 29.0%							
23	22076-46						NAD
Location: 14.0%							
24	22076-49B						Chrysotile Trace
Location: 12.0%							
25	22076-50A						NAD
Location: 1.6%							
26	22076-50B						NAD
Location: 15.0%							
27	22076-51						NAD
Location: 43.0%							
28	22076-52A						NAD
Location: 3.1%							
29	22076-52B						NAD
Location: 40.0%							
30	22076-55						NAD
Location: 48.0%							

See Reporting notes on last page

Client Name: Lozier Environmental Consulting, Inc.

08/02/2008 11:38

2126799392

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PAGE 04/05

**Table I**  
**Summary of Bulk Asbestos Analysis Results by NYS ELAP 198.4 NOB Method**  
 22076; City Of Rochester; 1170 Genesee St., Bldg #4

AmeriSci Sample #	Client Sample#	HG Area	Sample Weight (gram)	Heat Sensitive Organic %	Acid Soluble Inorganic %	Insoluble Non-Asbestos Inorganic %	** Asbestos % by TEM
31	22076-57A		--	--	--	--	NAD
Location: 20.0%							
32	22076-57B		--	--	--	--	NAD
Location: 4.5%							
33	22076-57C		--	--	--	--	NAD
Location: 31.0%							
34	22076-58		--	--	--	--	NAD
Location: 52.0%							

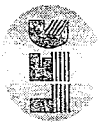
Analyzed by: Roman Peysakhov

Date Analyzed 8/2/2008

\*\*Quantitative Analysis (SemiFull): Bulk Asbestos Analysis - PLM by EPA 600/M4-82-020 per 40 CFR or ELAP 198.1 for New York friable samples or ELAP 198.6 for New York NOB samples; TEM (SemiFull) by EPA 600/R-93/116 (not covered by NVLAP Bulk accreditation); or ELAP 198.4 for New York samples; NAD = no asbestos detected during a quantitative analysis; NA = not analyzed; Trace = <1%; Quantitation for beginning weights of <0.1 grams should be considered as qualitative only; Qualitative Analysis: Asbestos analysis results of "Present" or "NVA = No Visible Asbestos" represents results for Qualitative PLM or TEM Analysis only (no accreditation coverage available from any regulatory agency for qualitative analyses); AIHA Lab # 102843, NVLAP Lab Code 200546-Q, NYSDOH ELAP LAB ID 11480.

Warning Note: PLM limitation, only TEM will resolve fibers <0.25 micrometers in diameter. TEM bulk analysis is representative of the fine grained matrix material and may not be representative of non-uniformly dispersed debris for which PLM evaluation is recommended (i.e. soils and other heterogeneous materials).

Reviewed By: \_\_\_\_\_



LOZIER ENVIRONMENTAL CONSULTING, INC.  
2011 EAST MAIN STREET, ROCHESTER, NEW YORK 585-654-9080

PLM ASBESTOS BULK MATERIAL SAMPLES  
Page 1 of 3

Client: City of Rochester		Sampling Date: 7/23/08		Lab No.: 22006					
Address: 30 Church Street		Turn Around: Immed. 24 Hr. 48Hr. Std.		TEM: Send Notify First					
Rochester, New York 14614		Location: Building 4							
Contact: Curt Colombo		Sampled By: R. Arthurs		A. Cartella					
Phone #		Fax #		No. Samples: 10					
Client ID	Lab ID	Room/Area Location	Color/Description	Material Type	Layer	F - NF NOB	+	-	TEM
1A	2200-1A	Apt. 2 - Living Room	White	Wall Plaster	1	F	-	-	
1B	1B	↓	Grey	↓	2	F	-	-	
2	2	↓	White/Grey Pinnable Fissure 2x4 CT			F	-	-	
3A	3A	Bathroom	White	Ceiling Plaster	1	F	-	-	
3B	3B	↓	Grey	↓	2	F	-	-	
4A	4A	Apt. 1 1/2 - Closet	White	Wall Plaster	1	F	-	-	
4B	4B	↓	Grey	↓	2	F	-	-	
5	5	Living Rm/Bedroom	White	Ceiling Spackle		F	-	-	
10A	10A	Kitchen	↓	Ceiling Plaster	1	F	-	-	
10B	10B	↓	Grey	↓	2	F	-	-	

TRANSPORTED TO: LOZIER ENVIRONMENTAL CONSULTING, INC.

RECEIVED BY: 1

DATE: 7/24/08

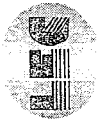
TIME: 807

Relinquished By: A. Cartella

DATE: 7/23/08

TIME: 4:40 PM





LOZIER ENVIRONMENTAL CONSULTING, INC.  
2011 EAST MAIN STREET, ROCHESTER, NEW YORK 585-654-9080

PLM ASBESTOS BULK MATERIAL SAMPLES  
Page 2 of 2

Client:	City of Rochester	Sampling Date:	7/23/08	Lab No.:	22006
Address:	30 Church Street	Turn Around:	Immed. 24 Hr. 48Hr. Std.	TEM:	Send Notify First
	Rochester, New York 14614	Location:	Building A		
Contact:	Curt Colombo	Sampled By:	R. Arthurs		
Phone #		No. Samples:	10		

Client ID	Lab ID	Room/Area Location	Color/Description	Material Type	Layer	F - NF NOB	+	-	TEM
7A	22006-7A	Apt. 3 - Living Room	White	Ceiling Plaster	1	F	-	-	
7B	7B	↓	Grey	↓	2	F	-	-	
8A	8A	Bedroom	White	Wall Plaster	1	F	-	-	
8B	8B	↓	Grey	↓	2	F	-	-	
9A	9A	2nd Floor Hallway	White	Ceiling Plaster	1	F	-	-	
9B	9B	↓	Grey	↓	2	F	-	-	
10A	10A	↓	White	Wall Plaster	1	F	-	-	
10B	10B	↓	Grey	↓	2	F	-	-	
11	11	Apt. 8 - Bathroom	White	Ceiling Texture		F	-	-	
12A	12A	Apt. 9 - Living Rm/Bedroom	↓	Wall Plaster	1	F	-	-	

TRANSPORTED TO:	LOZIER ENVIRONMENTAL CONSULTING, INC.	Relinquished By:	Angela Cartella
RECEIVED BY:		DATE:	7/23/08
DATE:	7/23/08	TIME:	807



LOZIER ENVIRONMENTAL CONSULTING, INC.

2011 EAST MAIN STREET, ROCHESTER, NEW YORK 585-654-9080

PLM ASBESTOS BULK MATERIAL SAMPLES

Page 3 of 3

Client: City of Rochester		Sampling Date: 7/23/08		Lab No.: 220060					
Address: 30 Church Street		Turn Around: Immed. 24 Hr. 48Hr. Std.		TEM: Send Notify First					
Rochester, New York 14614		Location: Building 4							
Contact: Curt Colombo		Sampled By: R. Arthurs		A. Carrella					
Phone #		Fax #		No. Samples: 9					
Client ID	Lab ID	Room/Area Location	Color/Description	Material Type	Layer	F - NF NOB	+	-	TEM
12B	220060-12B	Appt 9 - living room	Grey	Wall Plaster	2	F	-	-	
13A	13A	Kitchen	White	Ceiling Plaster	1	F	-	-	
13B	13B	↓	Grey	↓	2	F	-	-	
14A	14A	Attic	White	↓	1	F	-	-	
14B	14B	↓	Grey	↓	2	F	-	-	
15A	15A	↓	White	Wall Plaster	1	F	-	-	
15B	15B	Basement	Grey	↓	2	F	-	-	
16A	16A	Appt 10 - Hallway	White	Wall Plaster	1	F	-	-	
16B	16B	↓	Grey	↓	2	F	-	-	

TRANSPORTED TO: LOZIER ENVIRONMENTAL CONSULTING, INC.

Relinquished By:

Angela Carrella

RECEIVED BY:

DATE: 7/23/08

TIME:

DATE:

7/24/08

TIME:

8:07



LOZIER ENVIRONMENTAL CONSULTING, INC.  
2011 EAST MAIN STREET, ROCHESTER, NEW YORK 585-654-9080

PLM ASBESTOS BULK MATERIAL SAMPLES

Page 1 of 1

Client: City of Rochester Lab No.: 22076

Address: 30 Church Street Turn Around: Immed. 24 Hr. 48Hr. Std. TEM: Send Notify First

Location: Building A-1170 Express Street

Contact: Curt Colombo Sampled By: R. Arthurs

Client ID	Lab ID	Room/Area Location	Color/Description	Material Type	Layer	F-NF NOB	+ -	TEM
17	22076-17	Apt. 2 - Kitchen/Living Room	Beige/Drawing	12 X 12 Floor Tile		NOB	+	
18	18	Bathroom	Grey	Window Glaze		NF	-	
19	19		White	↓		NF	-	
20	20		Brown	Window Caulk		NF	+	
21	21	↓	Tan Shower Ceramic Tile	Permic Tile Vastic		NOB	-	✓
22	22	↓ Kitchen/Living Room	Brown Ceramic	Sheet Vinyl (Kitchen)		NOB	-	✓
23	23	Apt. 3 - Kitchen	Beige/Brown Shagred Vaxia FT			NOB	+	
24	24	↓	Grey	Window Glaze		NF	-	CH 21
25	25	↓ Bathroom	Tan Ceramic	Shower Wall Tile Vastic		NOB	-	✓
26	26	Apt. 4 - Entry Hall/Kitchen	Beige Vaxia FT			NOB	-	✓

Relinquished By: Arthurs, R.

TRANSPORTED TO: LOZIER ENVIRONMENTAL CONSULTING, INC.

RECEIVED BY: Arthurs, R. DATE: 7/29/08 TIME: 9:25 AM

DATE: 7/29/08 TIME: 9:52



LOZIER ENVIRONMENTAL CONSULTING, INC.

2011 EAST MAIN STREET, ROCHESTER, NEW YORK 585-654-9080

PLM ASBESTOS BULK MATERIAL SAMPLES

Page 22 of 60

Client: City of Rochester

Sampling Date: 7/28/08

Lab No.: 22076

Address: 30 Church Street

Turn Around: Immed. 24 Hr. 48Hr. Std.

TEM: Send Notify First

Rochester, New York 14614

Location: Building A - 1170 George Street

Contact: Curt Colombo

Sampled By: R. Arthurs

A. Carrella

Phone #

Fax #

No. Samples: 10

Client ID	Lab ID	Room/Area Location	Color/Description	Material Type	Layer	F - NF NOB	+ -	TEM
27	22076-27	Apt. 1 - Kitchen	Brick Mosaic	12x12 FT		NOB	-	✓
28	28	Bathroom	Tan Ceramic	Shower Wall-Tile Mosaic		NOB	-	✓
29	29	Bedroom	White	Window Glaze		NF	-	
30	30	↓	Grey	↓		NF	+	
31	31	Apt. 1 1/2 - Kitchen	Multi-colored Speckled	12x12 FT		NOB	-	✓
32	32	Apt. 9 - Bathroom	↓	↓		NOB	-	✓
33A	33A	Kitchen	Brown Floral	Sheet Vinyl	1	NOB	-	✓
33B	33B	↓	Grey	Entrance Floor Tiling	2	NOB	-	✓
34	34	Apt. 8 - Bathroom	Brick Speckled	12x12 Floor Tile		NOB	-	✓
35A	35A	↓	Tan	Sheet Vinyl	1	NOB	-	✓

TRANSPORTED TO: LOZIER ENVIRONMENTAL CONSULTING, INC.

Relinquished By: A. Carrella

RECEIVED BY: 7/29/08

DATE: 7/29/08

TIME: 9:25 AM

DATE: 7/29/08

TIME: 9:52



LOZIER ENVIRONMENTAL CONSULTING, INC.  
2011 EAST MAIN STREET, ROCHESTER, NEW YORK 585-654-9080

PLM ASBESTOS BULK MATERIAL SAMPLES  
Page 3 of 6

Client: City of Rochester		Sampling Date: 7/28/08		Lab No.: 22076					
Address: 30 Church Street		Turn Around: Immed. 24 Hr. 48Hr. Std.		TEM: Send Notify First					
Rochester, New York 14614		Location: Building A - 1170 Genesee Street							
Contact: Curt Colombo		Sampled By: R. Arthurs		A. Carfagna					
Phone #		Fax #		No. Samples: 10					
Client ID	Lab ID	Room/Area Location	Color/Description	Material Type	Layer	F - NF NOB	+	-	TEM
35B	22076-35B	Apt. 8 - Kitchen	Blue/Green	Flooring	2	NOB	-	-	✓
36	36	Apt. 10 - Living Room	Grey	Window Glaze		NOB	-	-	
37	37	↓	White/Beige	Window Glaze		NOB	+	+	
38	38	Bedroom	↓	Stain Window Glaze		NOB	-	-	✓
39	39	Kitchen	Green Pebble	12x12 FT		NOB	-	-	✓
40	40	Bathroom	Tan Ceramic	Shower Wall Tile Mastic		NOB	-	-	✓
41A	41A	Apt. 7 - Kitchen/Dining	Yellow Pebble	12x12 FT	1	NOB	-	-	✓
41B	41B	↓	Tan	Floor Tile Mastic	2	NOB	-	-	✓
42	42	↓	Grey/Beige	Window Glaze		NOB	-	-	
43A	43A	Apt. 10 - Kitchen	Brown/Blue/White Pebble	12x12 FT	1	NOB	-	-	✓

TRANSPORTED TO: LOZIER ENVIRONMENTAL CONSULTING, INC.

Relinquished By: A. Carfagna

RECEIVED BY: [Signature]

DATE: 7/29/08

TIME: 9:35 AM

DATE: 7/29/08

TIME: 9:52



LOZIER ENVIRONMENTAL CONSULTING, INC.  
2011 EAST MAIN STREET, ROCHESTER, NEW YORK 585-654-9080

PLM ASBESTOS BULK MATERIAL SAMPLES  
Page 4 of 10

Client: City of Rochester		Sampling Date: 7/28/08		Lab No.: 22076					
Address: 30 Church Street		Turn Around: Immed. 24 Hr. 48Hr. Std.		TEM: Send Notify First					
Rochester, New York 14614		Location: Building A - 1170 George Street							
Contact: Curt Colombo		Sampled By: R. Arthurs							
Phone #		No. Samples:							
Fax #									
Client ID	Lab ID	Room/Area Location	Color/Description	Material Type	Layer	F - NF NOB	+	-	TEM
43B	20071-43B	Apt. 10 - Kitchen	Tan	Floor Tile Plastic	2	NOB	-	-	✓
44	44	Kitchen Closet	Beige/Orange	12x12 FT		NOB	+	+	
45A	45A	Apt. 11 - Bathroom	Brown Floral	Sheet Vinyl	1	NOB	-	-	✓
45B	45B	↓	Tan Sheet	Vinyl Plastic	2	NOB	-	-	✓
46	46	Front Entrance	Beige/Grey	12x12 FT		NOB	-	-	✓
47	47	Basement	White Fibrous Pipe Insulation-Tunnel			F	+	+	
48	48		↓	Wall Patch		F	+	+	
49A	49A		Dark Brown	9x9 FT	1	NOB	+	+	
49B	49B		Black	Floor Tile Plastic	2	NOB	-	-	✓
50A	50A	↓	Multi-colored	12x12 FT	1	NOB	-	-	✓

TRANSPORTED TO: LOZIER ENVIRONMENTAL CONSULTING, INC.

Relinquished By: A. Arthurs

RECEIVED BY:

DATE: 7/29/08

TIME: 9:25 AM

DATE: 7/29/08

TIME: 9:52



LOZIER ENVIRONMENTAL CONSULTING, INC.  
2011 EAST MAIN STREET, ROCHESTER, NEW YORK 585-654-9080

PLM ASBESTOS BULK MATERIAL SAMPLES  
Page 5 of 6

Client: City of Rochester		Sampling Date: 7/28/08		Lab No.: 22076				
Address: 30 Church Street		Turn Around: Immed. 24 Hr. 48Hr. Std.		TEM: Send Notify First				
Rochester, New York 14614		Location: Building 4- 170 Geneva Street						
Contact: Curt Colombo		Sampled By: R. Arthurs (A. Cartella)						
Phone #		Fax #		No. Samples:				
Client ID	Lab ID	Room/Area Location	Color/Description	Material Type	Layer	F - NF NOB	+ -	TEM
506	22076-506	Basement	Black	Floor Tile Mastic	2	NOB	-	✓
51	51		Tan Ceramic Shower Wall Tile	12x12 FT	1	NOB	-	✓
52A	52A		Black	Floor Tile Mastic	2	NOB	-	✓
52B	52B		Black	Window Glaze		NF	-	
53	53		Brown Wall Panel Mastic	Baseboard Mastic		NOB	-	✓
54	54		White	CGPK		F	-	
55	55		Beige Speculated	12x12 FT	1	NOB	-	✓
56	56		White	Floor Tile	2	NOB	-	✓

TRANSPORTED TO: LOZIER ENVIRONMENTAL CONSULTING, INC.

Relinquished By:

Angela Cartella

RECEIVED BY:

DATE: 7/29/08

TIME: 9:35 AM

DATE:

7/29/08

TIME:

952



PLM ASBESTOS BULK MATERIAL SAMPLES

2011 EAST MAIN STREET, ROCHESTER, NEW YORK 585-654-9080

Page 17 of 18[illegible]

TRANSPORTED TO: LOZIER ENVIRONMENTAL CONSULTING, INC.

**Relinquished By:**

DATE: 7/29/08 TIME: 9:25 am

RECEIVED BY:

1

DATE:

8/29/08

**TIME:**



208081021-

## TEM NOB ASBESTOS ANALYSIS CHAIN of CUSTODY

Lozier Contact: Tamar Bush

Turn Around: RUSH &lt;12 Hrs. &lt;24 Hrs. &lt;48 Hrs. &lt;72 Hrs.

Office Phone: 585-654-9080

Sample Type: Whole Bulk

Office Fax: 585-654-9662

Acid Residue

## CITY OF ROCHESTER

Location: 1170 Genesee ST. Bldg #4

No. Samples: 34

Lozier Sample ID	Percent Inert (Acid) Residue	Lozier Sample ID	Percent Inert (Acid) Residue
22076-21	55	22076-46	14
22076-22	2.6	22076-49B	12
22076-25	3.2	22076-50A	1.6
22076-26	4.2	22076-50B	15
22076-27	5.1	22076-51	43
22076-28	55	22076-52A	3.1
22076-31	2.6	22076-52B	40
22076-32	1.8	22076-55	48
22076-33A	4.5	22076-57A	20
22076-33B	14	22076-57B	4.5
22076-34	3.3	22076-57C	31
22076-35A	3.6	22076-58	52
22076-35B	1.6		
22076-38	8.1		
22076-39	2.7		
22076-40	53		
22076-41A	1.8		
22076-41B	1.4		
22076-43A	1.5		
22076-43B	31		
22076-45A	21		
22076-45B	29		

Shipped by:

Received By:

Date:

7/31/08

Date:

8/11/08

0832

**NEW YORK STATE - DEPARTMENT OF LABOR**

DIVISION OF SAFETY AND HEALTH  
LICENSE AND CERTIFICATE UNIT  
STATE CAMPUS BUILDING 12  
ALBANY, NY 12240

**ASBESTOS HANDLING LICENSE**

Lozier Environmental Consulting, Inc.  
2011 East Main Street  
Rochester, NY 14609

FILE NUMBER: 02-0434  
LICENSE NUMBER: 29997  
LICENSE CLASS: RESTRICTED  
DATE OF ISSUE: 05/09/2008  
EXPIRATION DATE: 05/31/2009

Duly Authorized Representative – Ronald A Arthurs:

This license has been issued in accordance with applicable provisions of Article 30 of the Labor Law of New York State and of the New York State Codes, Rules and Regulations (12 NYCRR Part 56). It is subject to suspension or revocation for a (1) serious violation of state, federal or local laws with regard to the conduct of an asbestos project, or (2) demonstrated lack of responsibility in the conduct of any job involving asbestos or asbestos material.

This license is valid only for the contractor named above and this license or a photocopy must be prominently displayed at the asbestos project worksite. This license verifies that all persons employed by the licensee on an asbestos project in New York State have been issued an Asbestos Certificate, appropriate for the type of work they perform, by the New York State Department of Labor.

*Maureen A Cox*

Maureen A. Cox, Director  
FOR THE COMMISSIONER OF LABOR

NEW YORK STATE DEPARTMENT OF HEALTH  
WADSWORTH CENTER  
RICHARD F. DAINES, M.D.



Expires 12:01 AM April 01, 2009  
Issued April 01, 2008

**CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE**

*Issued in accordance with and pursuant to section 502 Public Health Law of New York State*

MS. JEANNE K. DENIKE  
LOZIER ENVIRONMENTAL CONSULTING, INC  
2011 EAST MAIN STREET  
ROCHESTER, NY 14609

NY Lab Id No: 11770  
EPA Lab Code:

*is hereby APPROVED as an Environmental Laboratory for the category  
ENVIRONMENTAL ANALYSES SOLID AND HAZARDOUS WASTE  
All approved subcategories and/or analytes are listed below:*

**Miscellaneous**

Asbestos in Friable Material	EPA 600/M4/82/020
Asbestos in Non-Friable Material-PLM	Item 198.6 of Manual (NOB by PLM)

Serial No.: 36454

Property of the New York State Department of Health. Valid only at the address shown. Must be conspicuously posted. Valid certificates have a raised seal. Continued accreditation depends on successful ongoing participation in the Program. Consumers are urged to call (518) 485-5570 to verify laboratory's accreditation status.

NEW YORK STATE DEPARTMENT OF HEALTH  
WADSWORTH CENTER  
RICHARD F. DAINES, M.D.



Expires 12:01 AM April 01, 2009  
Issued April 01, 2008

**CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE**

*Issued in accordance with and pursuant to section 502 Public Health Law of New York State*

MR. PAUL MUCHA  
AMERICA SCIENCE TEAM NEW YORK INC  
117 EAST 30TH ST  
NEW YORK, NY 10016

NY Lab Id No: 11480  
EPA Lab Code: NY01378

*is hereby APPROVED as an Environmental Laboratory for the category  
ENVIRONMENTAL ANALYSES SOLID AND HAZARDOUS WASTE  
All approved subcategories and/or analytes are listed below:*

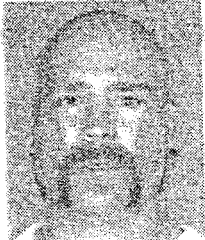
**Miscellaneous**

Asbestos in Friable Material	EPA 600/M4/82/020
	Item 198.1 of Manual
Asbestos in Non-Friable Material-PLM	Item 198.6 of Manual (NOB by PLM)
Asbestos in Non-Friable Material-TEM	ITEM 198.4 OF MANUAL

**Serial No.: 36240**

Property of the New York State Department of Health. Valid only at the address shown. Must be conspicuously posted. Valid certificates have a raised seal. Continued accreditation depends on successful ongoing participation in the Program. Consumers are urged to call (516) 485-5570 to verify laboratory's accreditation status.

STATE OF NEW YORK - DEPARTMENT OF LABOR  
ASBESTOS CERTIFICATE

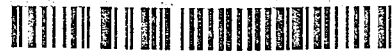


RON A. ARTHURS  
CLASS (EXPIRES)  
C/ATEC (07/03) D/NSP (07/03)  
H/PM (07/03)



CERT# 91-01793  
DMV# 107690477

MUST BE CARRIED ON ASBESTOS PROJECTS



EYES BRO  
HAIR BRO  
HGT 5' 10"

IF FOUND RETURN TO:  
NYSDEL - L&C UNIT  
ROOM 161A BUILDING 12  
STATE OFFICE CAMPUS  
ALBANY NY 12240

STATE OF NEW YORK - DEPARTMENT OF LABOR  
ASBESTOS CERTIFICATE



ANGELA M. CARRELLA  
CLASS (EXPIRES)  
D/NSP (02/09)



CERT# 05-07912  
DMV# 526446804

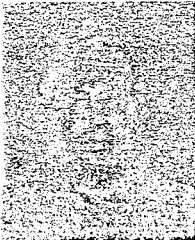
MUST BE CARRIED ON ASBESTOS PROJECTS



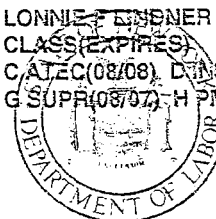
EYES BLU  
HAIR BRO  
HGT 5' 10"

IF FOUND RETURN TO:  
NYSDEL - L&C UNIT  
ROOM 290A BUILDING 12  
STATE OFFICE CAMPUS  
ALBANY NY 12240

STATE OF NEW YORK - DEPARTMENT OF LABOR  
ASBESTOS CERTIFICATE



LONNIE F. BENDER  
CLASS (EXPIRES)  
C/ATEC (08/08) D/NSP (08/08)  
G/SUPP (08/07) H/PM (08/08)



CERT# 97-13919  
DMV# 202917970

MUST BE CARRIED ON ASBESTOS PROJECTS



EYES BLU  
HAIR GRY  
HGT 5' 09"

IF FOUND RETURN TO:  
NYSDEL - L&C UNIT  
ROOM 290A BUILDING 12  
STATE OFFICE CAMPUS  
ALBANY NY 12240